BRITISH COLUMBIA MINERAL STATISTICS

ANNUAL SUMMARY TABLES

HISTORICAL MINERAL PRODUCTION TO 1990

Province of
British Columbia

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HISTORICAL MINERAL PRODUCTION TO 1990

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Mineral Statistics Section
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Notes on Statistics

Statistics on the British Columbia mineral industry are collected, compiled and tabulated for publication in this report by the Mineral Statistics Section, Mineral Policy Branch, of the Mineral Resources Division.

Petroleum industry statistics are collected and compiled by the Energy Resources Division and are included here for comparative purposes.

Annual summary tables in this publication reflect "actual final" totals and supercede all figures previously released. As such, they represent final statistics of record and are not subject to further revision, except in the case of previously unreported extraordinary adjustments, or in the event that reporting errors in previous years' data become known.

Source of the Numbers

Data on the province's mineral industry are obtained from a direct census of the industry, which is undertaken as a cooperative effort between the Ministry of Energy, Mines and Petroleum Resources, and two federal agencies: Energy, Mines and Resources and Statistics Canada. Producers of metals, industrial minerals, structural materials and coal are required by both provincial and federal statute to submit information on their operations on forms prepared by the above agencies.

Production statistics are aggregated into sector and industry totals for public release. Individual producer data on employment and gross output at each major mine in the province are, however, also available in this publication.

Other information is collected from a variety of sources, including custom smelter reports, to assist in editing survey responses and to ensure uniform reporting procedures are followed. In addition, the Mineral Statistics Section monitors industry publications in order to provide checks on survey responses and to maintain up-to-date survey contact databases.

Who is Surveyed

Producers in each industry group are surveyed annually from a mailing list jointly maintained by the three surveying agencies. Statistics are gathered in accordance with recognized national and international standards and procedures. Major mines or plants producing metal, coal, industrial minerals and structural materials are surveyed monthly, as well as annually.

Why Statistics Are Gathered

Statistics are gathered and published:

- To provide a consistent public record of mineral production and valuation in British Columbia.
- As an independent source of economic statistics for the province.
- As a basis for mineral policy development and decision-making.
- To assist in evaluating the effectiveness of provincial and federal mineral development initiatives.

Comparability of Numbers

In some cases, actual final totals released by the Ministry on behalf of the Province of British Columbia may vary from comparable data published by federal agencies. This is due to agreed-upon differences in methodology in attributing production to the location of origin, in methods of determining valuation and in the definition of mineral commodities and their use.

Peat, classified as a fuel by Statistics Canada, is not included in B.C. statistics of mineral production, since it is considered neither a fuel nor a mineral.

Changes in Publication Format

Information on provincial mineral output has been provided in a number of publications over the years. Historically, the ***Reports of the Minister of Mines*** (otherwise known as the ***Ministry Annual Reports***) contain statistics and information on mining operations for each year. Data series are available from 1874, though much of the earliest information has undergone changes in methodology, or is not available on a year-by-year basis. From 1980 through 1984, mineral statistics were released in ***Mineral Resources Division - Summary of Operations.*** Information for the years 1985 through 1990 is published in ***B.C. Mineral Statistics - Annual Summary Tables.***

Methods Of Computing Production

Metals

Average Prices

The prices used in the valuation of current and past production of gold, silver, copper, lead, and zinc are shown in Table 7-A.

For antimony and bismuth, the average producer price or, more recently, a representative list price is used. For nickel, the price used is the Canadian price set by Inco Limited. The value per tonne of the iron ore used in making pig iron at Kimberley is an arbitrary figure, being the average of several ores of comparable grade at their points of export from British Columbia.

Gross and Net Content

The gross content of a metal in ore, concentrate, or bullion is the amount of the metal calculated from an assay of the material. The gross metal contents are the sum of individual metal assay contents. The net contents are the gross contents less smelter and refinery losses.

In past years, different methods have been used to calculate net contents, particularly in the case of one metal contained in the concentrate of another. The method established in 1963, and used until 1974, is outlined in the following table. For example, the net content of silver in copper concentrates is 98 per cent of the gross content; of cadmium in zinc concentrates 70 per cent of the gross content, etc. Commencing in 1974, the quantities represent the actual net quantities of metals paid for.

Methods of Calculating Contents (1963 - 1974)

	Lead Conc. Per Cent	Zinc Conc. Per Cent	Copper Conc. Per Cent	Copper-nickel Conc. Per Cent	Copper Matte Per Cent
Silver	98	98	98	-	-
Copper	Less 26 lb/ton	-	Less 10 lb/ton	85	Less 10 lb/ton
Lead	98	50	-	-	50
Zinc	50	90	-	-	-
Cadmium	-	70	-	-	-
Nickel	-	-	-	88	-

Value of Production

Prior to 1925, gold and copper values were calculated by using their true average prices. For copper, the smelter loss was also taken into account. The value of other metals was calculated from the gross metal content of ores or concentrates by using a metal price which was an arbitrary percentage of the average price. The percentages used were as follows: silver, 95 percent; lead, 90 percent; and zinc, 85 percent.

From 1925 through 1973, these values were calculated by using the true average price and the net metal contents in accordance with the procedures adopted by Statistics Canada and the Ministry of Energy, Mines and Petroleum Resources.

Prior to 1974, for gold, silver, copper, lead, zinc, antimony, bismuth, cadmium, iron concentrate and nickel, the value of production was calculated from the assay content of the ore, concentrate, or bullion less appropriate smelter losses, and an average price per unit of weight. Since 1974, the values represent the settlement values received by the producers for each metal. The total quantity and value of metal production include the quantities paid for to the mines, and the smelter and refinery production that can be attributed to the mines but is not paid for.

For the metals indium, iron concentrate, mercury, molybdenum, rhenium and tin, values received by the shippers are used wherever possible. Selected Canadian list prices are used to calculate values in cases where values are not reported or where the confidentiality of respondents would otherwise be jeopardized.

Industrial Minerals And Structural Materials

The values of production of industrial minerals and structural materials are approximately the dollar amounts received at the point of origin.

Coal

The value of production of coal is calculated using the weighted average of prices at the minesite, for all coal originating at each B.C. mine. Transportation, port and handling costs are normally excluded from these values. Historical average prices are given in Table 7-A.

Petroleum And Natural Gas

The values of production of natural gas, natural gas liquid by-products, and petroleum including condensate/pentanes plus, have been the amounts received at the wellhead or as provided by the Energy Division of the Ministry of Energy, Mines and Petroleum Resources.

Additional Notes

All values are in Canadian funds.

Metric weights are used throughout. Metric conversion factors are:

- short tons (st or ton) x 0.90718474 = metric tonnes (t or metric tonne)
- kilograms (kg) x 0.45359237 = pounds (lb)
- grams (g) x 31.1034768 = troy ounces (oz)

Annual Highlights of the Mining Industry

These highlights provide information on events affecting provincial metal and coal output during each year. They are included to assist the reader in accounting for variations in mine and industry output from year to year.

Mine Openings in 1988

Cheni Gold Mines Inc. began operations at the Lawyers gold/silver mine in the Toodoggone River area northwest of Stewart. The mine operated in a pre-production phase during 1988. The mill was commissioned in December 1988.

Skyline Gold Corporation's Johnny Mountain gold/silver/copper mine was engaged in pre-production from January through to November of 1988. The mill began operation in August and commercial production was achieved on November 1, 1988.

Mine Shutdowns and Closures in 1988

Total Energold Corp. suspended production at the Erickson gold/silver mine near Cassiar in late October .

Operations at Placer Dome's Gibraltar copper/molybdenum mine were shutdown due to a strike from May 6 through November 29, 1988.

The Taurus Resources Ltd. Taurus gold mine in the Cassiar area ceased mining in March , while milling operations were halted in April .

Blackdome Mining Corp. experienced a brief strike at its Blackdome gold/silver mine near Clinton in April.

Coal operations at Byron Creek Collieries near Sparwood were affected by a strike from February 29 through April 15, 1988.

Other Highlights 1988

The Afton copper mine exhausted its Pothook and Crescent deposits in 1988. Afton's production was down by nearly 50 per cent in 1988 from the previous year, due to lower ore grades of mined and stockpiled ore.

Mine Openings in 1989

The Golden Bear gold/silver mine in the Atlin area of B.C. milled 1,620 tonnes of ore in 1989, but did not ship bullion until February 1990. All production statistics for Golden Bear were recorded in 1990.

Cheni Gold Mines' Lawyers mine began commercial production in March . All pre-production and production statistics for the Lawyers operation were recorded in 1989.

Westmin Resources began operations at its Premier gold mine near Stewart in late May.

The Afton copper mine opened the Ajax Pit in June.

Minnova's Samatosum mine near Barriere began shipments in June 1989.

Mine Shutdowns and Closures in 1989

The Fording Coal mine was affected by a strike from June 2 through July 6, 1989.

The Crows Nest Resources Line Creek coal mine was affected by a strike from August 5 through September 24, 1989.

The Highland Valley Copper mining operation was shutdown from July 6 to October 18 , 1989 due to a strike.

The Bethelehem mine, which had been supplying ore to the Highland Valley Copper mill, was closed in June.

Other Highlights 1989

The Silvana lead/zinc mine near New Denver was sold by Dickenson Mines Ltd. to Treminco Resources Ltd. in 1989. Treminco took over operations in November.

Mine Openings in 1990

No major mines began operations in 1990.

Mine Shutdowns and Closures in 1990

Cominco's Sullivan lead/zinc mine at Kimberley shutdown at the end of January 1990, citing low metal prices as the cause. The mine renewed operations in September, but did not officially reopen until November.

The Brenda copper/molybdenum mine near Peachland closed in June 1990 due to depletion of ore reserves.

Afton's mill was shutdown 17 days for repairs in July.

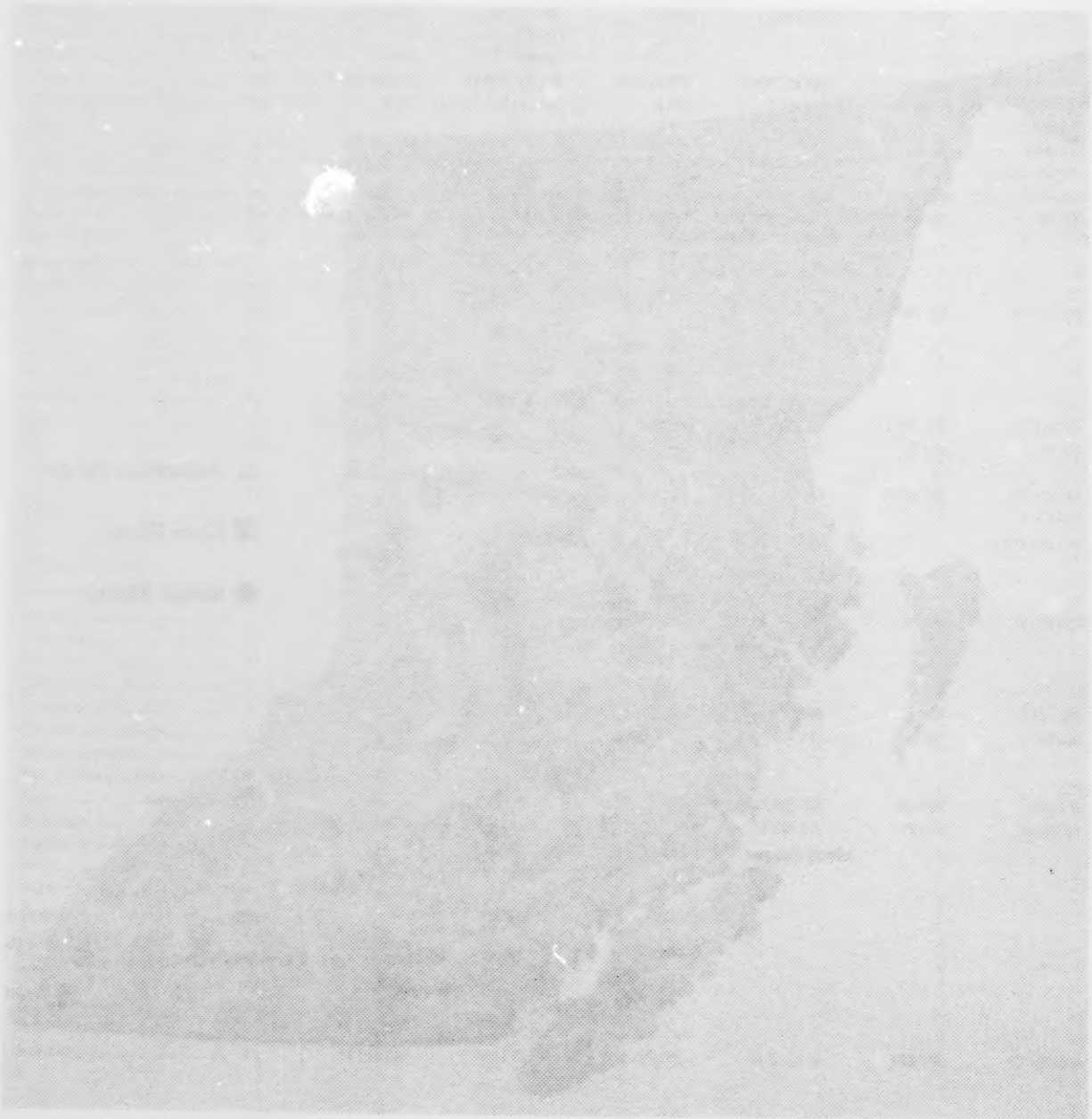
Treminco's Silvana lead/zinc mine closed for two weeks in July.

Westar's Balmer coal operations were shutdown for one week in July. The mine also closed for a further two weeks in December.

Skyline's Johnny Mountain gold/silver mine in the Iskut River area of B.C. closed in mid-August and milling operations ceased in early September. High operating costs and low gold prices were significant factors in the closure.

Westmin's Myra Falls lead/zinc mining operations near Campbell River shutdown for four days in August due to a wildcat strike by most of its employees.

Annual Summary Tables - Historical Mineral Statistics To 1990



MAJOR OPERATING MINES IN BRITISH COLUMBIA
1990

Mineral Production - Total To Date, 1989 And 1990

Table 1-A

Products		Total Quantity to date 1990	Total Value to date 1990 $	Quantity 1989	Value 1989 $	Quantity 1990	Value 1990 $
Metals							
Antimony	kg	31 129 552	44 291 249	523 539	649 972	469 228	987 255
Bismuth	kg	3 540 085	18 094 740	3 152	46 558	637	5 692
Cadmium	kg	22 850 383	106 128 721	327 264	5 362 221	176 007	1 529 325
Chromite	t	722	32 295	-	-	-	-
Cobalt	kg	114 484	376 661	-	-	-	-
Copper	kg	7 588 946 428	12 772 329 300	303 199 718	1 002 528 683	325 320 434	985 015 266
Germanium	kg	8 861	2 641 681	4 785	1 559 000	4 076	1 082 681
Gold-							
placer	g	168 405 498	181 934 541	1 065 774	15 475 038	660 179	9 955 499
lode, fine	g	683 231 185	2 575 037 535	14 420 239	220 974 001	15 374 931	231 785 037
Iron concentrates	t	36 926 839	440 450 647	73 144	2 861 520	100 457	3 675 874
Lead	kg	8 835 513 119	2 228 922 848	68 369 344	46 266 966	19 556 431	15 954 770
Magnesium	kg	92 819	88 184	-	-	-	-
Manganese	t	1 564	32 668	-	-	-	-
Mercury	kg	6 094 387	49 218 263	-	-	-	-
Molybdenum	kg	304 214 248	2 640 667 006	13 617 712	112 274 115	12 284 589	88 326 296
Nickel	kg	23 337 783	51 698 754	-	-	-	-
Palladium	g	23 296	30 462	-	-	-	-
Platinum	g	44 042	138 801	-	-	-	-
Selenium	kg	332	1 389	-	-	-	-
Silver	g	21 651 621 308	2 085 644 131	493 844 443	105 442 581	631 083 758	115 126 533
Tin	kg	10 664 584	43 249 093	24 700	256 139	7 436	55 034
Tungsten	kg	9 194 732	49 182 366	-	-	-	-
Zinc	kg	8 586 800 980	3 221 937 000	120 496 624	241 011 125	57 436 291	103 423 640
Others		-	57 243 790	-	2 707 787	-	1 939 377
Totals		-	26 569 372 125	-	1 757 415 706	-	1 558 862 279
Industrial Minerals							
Arsenious oxide	kg	9 987 789	273 201	-	-	-	-
Asbestos	t	2 623 336	1 180 714 232	109 180	58 267 878	95 208	53 209 847
Bentonite	t	718	16 858	-	-	-	-
Fluorspar	t	47 180	795 950	-	-	-	-
Fluxes	t	4 162 353	11 572 186	-	-	-	-
Granules	t	1 476 256	36 355 779	143 900	3 151 388	95 345	2 286 479
Gypsum and gypsite	t	13 832 545	89 114 513	357 742	4 429 245	506 499	3 090 406
Hydromagnesite	t	2 044	27 536	-	-	-	-
Iron oxide and ochre	t	16 427	155 050	-	-	-	-
Jade	kg	4 574 801	18 138 712	600 000	2 608 256	168 047	448 475
Magnesite	t	1 015 206	20 060 325	162 540	3 300 661	172 000	3 615 280
Magnesium sulphate	t	12 603	254 352	-	-	-	-
Mica	kg	5 815 954	185 818	-	-	-	-
Natro-alunite	t	473	9 398	-	-	-	-
Perlite	t	7 109	112 120	-	-	-	-
Phosphate rock	t	3 485	16 894	-	-	-	-
Pumice	t	2 041	51 824	-	-	-	-
Sodium antimonate	t	4 490	2 293 156	-	-	-	-
Sodium carbonate	t	9 518	118 983	-	-	-	-
Sodium sulphate	t	5 932	493 953	-	-	-	-
Sulphur	t	14 304 887	613 571 564	473 665	51 806 874	453 138	55 565 039

Mineral Production - Total To Date, 1989 And 1990

Table 1-A (Cont'd)

Products		Total Quantity to date 1990	Total Value to date 1990 $	Quantity 1989	Value 1989 $	Quantity 1990	Value 1990 $
Industrial Minerals (cont'd)							
Talc	t	1 638	34 871	-	-	-	-
Volcanic ash	t	27	300	-	-	-	-
Others		-	30 371 048	-	1 190 000	-	1 230 563
Totals		57 906 812	2 004 738 623	-	124 754 302	-	119 446 089
Structural Materials							
Cement	t	33 295 346	1 546 903 485	1 483 667	112 625 000	1 650 280	144 045 000
Clay products	t	-	232 777 108	-	10 837 797	-	5 529 000
Lime and limestone	t	5 111 178	213 614 421	1 353 394	8 049 938	1 960 895	12 072 726
Rubble, rip-rap, crushed rock	t	6 241 796	294 782 284	2 589 320	13 472 188	1 462 837	9 977 823
Sand and gravel	t	140 583 365	1 856 687 426	50 787 750	151 235 111	41 278 438	140 584 743
Building stone	t	7 243	10 188 118	136	30 000	6 846	538 146
Not assigned		-	6 472 171	-	500 000	-	-
Totals		-	4 161 425 013	-	296 750 034	-	312 747 438
Coal							
Coal - Sold and used							
Metallurgical	t	-	-	21 944 673	908 008 730	21 345 548	896 051 170
Thermal	t	-	-	3 189 525	92 588 948	3 020 933	83 805 849
Total	t	406 640 740	11 716 974 102	25 134 198	1 000 597 678	24 366 481	979 857 019
Totals - Solid Minerals		-	44 452 509 863	-	3 179 517 720	-	2 970 912 825
Petroleum and Natural Gas							
Crude oil	m^3	72 668 827	4 652 931 400	1 993 796	262 678 701	1 965 892	318 446 387
Natural gas to pipeline	10^3m^3	237 060 053	8 130 851 683	13 397 212	495 373 464	11 322 199	529 653 582
Others		-	576 135 077	-	25 246 273	-	38 820 470
Totals		-	13 359 918 160	-	783 298 438	-	886 920 439
Grand Totals		-	57 812 428 023	-	3 962 816 158	-	3 857 833 264

Table 2-A

Total Value Of Mineral Production 1836 - 1990

Year	Metals	Industrial Minerals	Structural Materials	Coal	Petroleum And Natural Gas	Total
	$	$	$	$	$	$
1836-86	52 880 750	—	43 650	10 758 565	—	63 682 965
1887	729 381	—	22 168	1 240 080	—	1 991 629
1888	745 794	—	46 432	1 467 903	—	2 260 129
1889	685 512	—	77 517	1 739 490	—	2 502 519
1890	572 884	—	75 201	2 034 420	—	2 682 505
1891	447 136	—	79 475	3 087 291	—	3 613 902
1892	511 075	—	129 234	2 479 005	—	3 119 314
1893	659 969	—	—	2 934 882	—	3 594 851
1894	1 191 728	—	—	3 038 859	—	4 230 587
1895	2 834 629	—	—	2 824 687	—	5 659 316
1896	4 973 769	—	726 323	2 693 961	—	8 394 053
1897	7 575 262	—	150 000	2 734 522	—	10 459 784
1898	7 176 870	—	150 000	3 582 595	—	10 909 465
1899	8 107 509	—	200 000	4 126 803	—	12 434 312
1900	11 360 546	—	250 000	4 744 530	—	16 355 076
1901	14 258 455	—	400 000	5 016 398	—	19 674 853
1902	12 163 561	—	450 000	4 832 257	—	17 445 818
1903	12 640 083	—	525 000	4 332 297	—	17 497 380
1904	13 424 755	2 400	575 000	4 953 024	—	18 955 179
1905	16 289 165	—	660 800	5 511 861	—	22 461 826
1906	18 449 602	—	982 900	5 548 044	—	24 980 546
1907	17 101 305	—	1 149 400	7 637 713	—	25 888 418
1908	15 277 991	—	1 200 000	7 356 866	—	23 834 857
1909	14 668 141	—	1 270 559	8 574 884	—	24 513 584
1910	13 768 731	—	1 500 000	11 108 335	—	26 377 066
1911	11 880 062	46 345	3 500 917	8 071 747	—	23 499 071
1912	18 218 266	17 500	3 436 222	10 786 812	—	32 458 800
1913	17 701 432	46 446	3 249 605	9 197 460	—	30 194 943
1914	15 790 727	51 810	2 794 107	7 745 847	—	26 382 491
1915	20 765 212	133 114	1 509 235	7 114 178	—	29 521 739
1916	32 092 648	150 718	1 247 912	8 900 675	—	42 391 953
1917	27 299 934	174 107	1 097 900	8 484 343	—	37 056 284
1918	27 957 302	281 131	783 280	12 833 994	—	41 855 707
1919	20 258 217	289 426	980 790	11 975 671	—	33 504 104
1920	19 687 532	508 601	1 962 824	13 450 169	—	35 609 126
1921	13 160 417	330 503	1 808 392	12 836 013	—	28 135 325
1922	19 605 401	251 922	2 469 967	12 880 060	—	35 207 350
1923	25 769 215	140 409	2 742 388	12 678 548	—	41 330 560
1924	35 959 566	116 932	2 764 013	9 911 935	—	48 752 446
1925	46 480 742	101 319	2 766 838	12 168 905	—	61 517 804
1926	51 857 792	223 748	3 335 885	11 650 180	—	67 067 605
1927	45 134 289	437 729	2 879 160	12 269 135	—	60 720 313
1928	48 640 158	544 192	3 409 142	12 633 510	—	65 227 002
1929	52 805 345	807 502	3 820 732	11 256 260	—	68 689 839
1930	41 785 380	457 225	4 085 105	9 435 650	—	55 763 360
1931	23 530 469	480 319	3 538 519	7 684 155	—	35 233 462
1932	20 129 869	447 495	1 705 708	6 523 644	—	28 806 716
1933	25 777 723	460 683	1 025 586	5 375 171	—	32 639 163
1934	35 177 224	486 554	1 018 719	5 725 133	—	42 407 630

Total Value Of Mineral Production 1836 - 1990

Year	Metals	Industrial Minerals	Structural Materials	Coal	Petroleum And Natural Gas	Total
	$	$	$	$	$	$
1936	45 889 944	724 362	1 796 677	5 722 502	—	54 133 485
1937	65 224 245	976 171	2 098 339	6 139 920	—	74 438 675
1938	55 959 713	916 841	1 974 976	5 565 069	—	64 416 599
1939	56 216 049	1 381 720	1 832 464	6 280 956	—	65 711 189
1940	64 332 166	1 073 023	2 534 840	7 088 265	—	75 028 294
1941	68 807 630	1 253 561	2 845 262	7 660 000	—	80 566 453
1942	63 626 140	1 434 382	3 173 635	8 237 172	—	76 471 329
1943	55 005 394	1 378 337	3 025 255	7 742 030	—	67 151 016
1944	42 095 013	1 419 248	3 010 088	8 217 966	—	54 742 315
1945	50 673 592	1 497 720	3 401 229	6 454 360	—	62 026 901
1946	58 834 747	1 783 010	5 199 563	6 732 470	—	72 549 790
1947	95 729 867	2 275 972	5 896 803	8 680 440	—	112 583 082
1948	124 091 753	2 358 877	8 968 222	9 765 395	—	145 184 247
1949	110 219 917	2 500 799	9 955 790	10 549 924	—	133 226 430
1950	117 166 836	2 462 340	10 246 939	10 119 303	—	139 995 418
1951	153 598 411	2 493 840	10 606 048	10 169 617	—	176 867 916
1952	147 857 523	2 181 464	11 596 961	9 729 739	—	171 365 687
1953	126 755 705	3 002 673	13 555 038	9 528 279	—	152 841 695
1954	123 834 286	5 504 114	14 395 174	9 154 544	6 545	152 894 663
1955	142 609 505	6 939 490	15 299 254	8 986 501	18 610	173 853 360
1956	149 441 246	9 172 792	20 883 631	9 346 518	319 465	189 163 652
1957	125 353 920	11 474 050	25 626 939	7 340 339	1 197 581	170 992 829
1958	104 251 112	9 958 768	19 999 576	5 937 860	4 806 233	144 953 549
1959	105 076 530	12 110 286	19 025 209	5 472 064	5 967 128	147 651 217
1960	130 304 373	13 762 102	18 829 989	5 242 223	9 226 646	177 365 333
1961	128 565 774	12 948 308	19 878 921	6 802 134	11 612 184	179 807 321
1962	159 627 293	14 304 214	21 366 265	6 133 986	27 939 726	229 371 484
1963	172 852 866	16 510 898	23 882 190	6 237 997	36 379 636	255 863 587
1964	180 926 329	16 989 469	26 428 939	6 327 678	36 466 753	267 139 168
1965	177 101 733	20 409 649	32 325 714	6 713 590	44 101 662	280 652 348
1966	208 664 003	22 865 324	43 780 272	6 196 219	54 274 187	335 780 005
1967	235 865 318	29 364 065	44 011 488	7 045 341	67 096 286	383 382 498
1968	250 912 026	26 056 782	45 189 476	7 588 989	75 281 215	405 028 488
1969	294 881 114	20 492 943	55 441 528	6 817 155	86 756 009	464 388 749
1970	309 981 470	22 020 359	46 104 071	19 559 669	90 974 467	488 640 036
1971	301 059 951	21 909 767	59 940 333	45 801 936	99 251 158	527 963 145
1972	372 032 770	25 764 120	66 745 698	66 030 210	105 644 978	636 217 776
1973	795 617 596	27 969 664	73 720 831	87 976 105	124 104 445	1 109 388 641
1974	764 599 451	33 676 214	78 088 393	154 593 643	233 275 505	1 264 233 206
1975	586 650 344	48 667 602	90 928 011	317 111 744	320 719 474	1 364 077 175
1976	646 750 403	52 917 142	100 938 648	298 683 679	420 973 564	1 520 263 436
1977	714 036 707	79 185 099	115 650 992	328 846 883	550 439 856	1 788 159 537
1978	819 778 518	59 471 631	142 105 285	381 895 241	568 931 051	1 972 181 726
1979	1 350 776 761	83 100 984	187 671 941	439 280 152	896 377 125	2 957 206 963
1980	1 429 002 180	115 926 007	242 325 657	461 492 857	828 302 626	3 077 049 327
1981	1 246 682 535	122 464 842	200 786 479	554 271 292	884 516 084	3 008 721 232
1982	1 057 488 380	95 644 218	164 15 644	566 878 240	912 902 555	2 797 070 037
1983	1 106 015 862	89 496 434	208 401 528	555 789 196	899 351 279	2 859 054 299
1984	1 036 900 793	114 669 521	192 253 455	1 007 519 670	997 750 056	3 349 093 495
1985	1 005 450 954	111 016 020	232 824 792	1 028 317 201	1 049 546 934	3 427 155 901
1986	1 156 666 691	134 394 026	214 663 686	934 414 249	777 915 114	3 218 053 766
1987	1 491 593 601	125 228 798	258 546 377	892 521 959	731 894 691	3 499 785 426
1988	1 875 773 744	111 462 265	258 156 703	978 811 603	735 378 455	3 959 582 770
1989	1 757 415 706	124 754 302	296 750 034	1 000 597 678	783 298 438	3 962 816 158
1990	1 558 862 279	119 446 089	312 747 438	979 857 019	886 920 439	3 857 833 264

Table 3-A

Mineral Production 1979 — 1981

	1979		1980		1981	
	Quantity	Value $	Quantity	Value $	Quantity	Value $
Metals						
Antimony ..... kg	177 046	916 081	78 654	416 080	68 323	360 745
Bismuth ..... kg	33 809	173 667	23 501	136 306	47 300	102 641
Cadmium ..... kg	239 096	1 417 506	92 360	560 679	101 962	371 077
Copper ..... kg	272 163 001	656 359 923	264 674 830	670 623 616	290 088 241	611 282 050
Gold-						
placer ..... g	214 106	2 649 918	280 104	6 213 376	291 705	4 540 289
lode fine ..... g	8 062 810	101 481 156	7 197 312	163 930 073	7 468 769	131 542 422
Iron concentrates ..... t	668 026	13 008 475	653 324	13 670 233	602 272	14 274 498
Lead ..... kg	84 451 905	88 100 363	76 709 447	66 096 223	84 854 093	61 529 276
Molybdenum ..... kg	10 766 497	321 228 104	11 209 501	288 934 398	12 933 244	198 240 391
Platinum ..... g	280	3 793	—	—	—	—
Silver ..... g	214 117 518	94 700 656	203 801 811	156 548 306	403 754 797	152 420 716
Tin ..... kg	240 984	3 818 948	139 517	2 438 881	150 341	2 198 138
Tungsten ..... kg	—	—	—	—	—	—
Zinc ..... kg	88 418 642	61 890 891	67 481 328	49 363 417	79 214 552	67 026 535
Others	—	5 027 280	—	10 070 592	—	2 793 757
Total Metals	—	1 350 776 761	—	1 429 002 180	—	1 246 682 535
Industrial Minerals						
Asbestos ..... t	94 286	65 520 069	100 089	81 688 936	90 914	76 770 285
Diatomite ..... t	1 452	33 025	3 615	138 273	3 600	155 232
Fluxes (quartz, limestone) .... t	27 741	129 035	43 986	93 135	48 313	509 678
Granules (quartz, limestone,						
granite) ..... t	30 074	1 458 987	31 393	1 694 947	28 297	1 756 810
Gypsum and gypsite ..... t	718 557	3 782 628	751 067	5 387 949	684 924	5 804 770
Jade ..... kg	258 505	1 325 777	449 156	1 580 241	59 208	133 598
Sulphur ..... t	383 724	9 616 390	359 413	21 712 359	507 566	33 337 562
Others	—	1 235 073	—	3 630 167	—	3 996 907
Total Industrial Minerals	—	83 100 984	—	115 926 007	—	122 464 842
Structural Materials						
Cement ..... t	1 550 596	89 185 273	1 351 320	90 881 086	955 922	82 372 375
Clay products	—	11 744 194	—	10 387 121	—	10 292 772
Lime and limestone ..... t	2 880 138	8 037 476	3 129 762	9 945 044	2 659 406	9 400 205
Rubble, rip-rap, crushed rock . t	2 488 389	6 766 665	7 019 167	32 436 456	3 168 991	11 105 388
Sand and gravel ..... t	46 241 983	71 918 633	45 278 202	98 666 100	42 361 930	87 603 864
Building stone ..... t	2 194	19 700	91	9 850	383	11 875
Total Structural Materials	—	187 671 941	—	242 325 657	—	200 786 479
Coal						
Coal - sold and used ..... t	10 570 370	439 280 152	10 823 530	461 492 857	11 752 621	554 271 292
Total Solid Minerals	—	2 060 829 838	—	2 248 746 701	—	2 124 205 148
Petroleum and Natural Gas						
Crude oil ..... m^3	2 139 963	168 928 671	2 002 128	189 561 479	2 035 953	236 170 548
Field condensates ..... m^3	32 549	2 569 418	36 885	3 489 431	27 871	3 233 036
Plant condensates ..... m^3	184 398	13 396 500	133 601	11 641 991	124 946	13 284 259
Natural gas delivered to						
pipeline ..... 10^3m^3	11 392 641	699 508 127	8 931 833	612 545 107	8 062 681	616 795 096
Butane ..... m^3	112 683	7 122 711	89 556	6 491 914	84 635	9 953 076
Propane ..... m^3	84 864	4 851 698	75 507	4 572 704	64 118	5 080 069
Total Petroleum and						
Natural Gas	—	896 377 125	—	828 302 626	—	884 516 084
Grand Totals	—	**2 957 206 963**	—	**3 077 049 327**	—	**3 008 721 232**

Table 4-A

Mineral Production 1982 — 1984

	1982		1983		1984	
	Quantity	Value $	Quantity	Value $	Quantity	Value $
Metals						
Antimony ..... kg	213 519	1 161 543	263 724	1 432 021	354 375	2 023 472
Bismuth ..... kg	27 305	83 007	47 427	215 319	9 547	112 857
Cadmium ..... kg	147 656	286 265	138 171	423 843	114 420	552 726
Copper ..... kg	279 873 599	495 009 799	282 864 697	561 111 733	280 070 497	517 765 234
Gold-						
placer ..... g	175 607	2 467 470	287 783	4 317 204	430 864	6 405 983
lode fine ..... g	7 511 908	115 802 480	7 693 571	126 555 114	6 813 576	111 731 223
Iron concentrates ..... t	774 951	19 630 010	496 823	13 078 465	198 464	6 584 179
Lead ..... kg	83 746 551	43 035 587	112 941 984	48 778 436	85 147 484	37 899 396
Molybdenum ..... kg	14 747 888	154 990 970	10 778 825	87 584 823	12 164 806	113 803 442
Platinum ..... g	—	—	—	—	—	—
Silver ..... g	499 565 577	158 260 320	402 325 338	180 372 129	363 378 002	121 364 145
Tin ..... kg	115 261	1 568 666	136 347	1 985 213	208 554	2 830 486
Tungsten ..... kg	104 730	1 114 350	—	—	—	—
Zinc ..... kg	75 182 699	63 571 545	95 286 818	79 634 214	95 334 645	115 225 652
Others	—	506 368	—	527 348	—	601 998
Total Metals	—	1 057 488 380	—	1 106 015 862	—	1 036 900 793
Industrial Minerals						
Asbestos ..... t	76 084	57 032 422	81 653	53 395 853	92 123	75 295 765
Diatomite ..... t	137	6 850	1 955	158 260	4 100	327 500
Fluxes (quartz, limestone) .... t	53 801	1 018 576	54 076	1 166 314	16 652	58 759
Granules (quartz, limestone, granite) ..... t	20 962	1 400 812	51 919	1 056 863	13 293	520 579
Gypsum and gypsite ..... t	415 458	5 468 093	459 815	4 917 144	411 829	4 075 967
Jade ..... kg	78 681	320 861	96 268	577 172	123 969	1 040 713
Sulphur ..... t	423 892	29 115 860	483 733	24 862 954	508 917	27 215 071
Others	—	1 280 744	—	3 361 874	—	6 135 167
Total Industrial Minerals	—	95 644 218	—	89 496 434	—	114 669 521
Structural Materials						
Cement ..... t	749 571	69 265 713	853 064	71 080 982	939 354	69 939 148
Clay products	—	5 853 261	—	7 335 946	—	7 230 396
Lime and limestone ..... t	2 575 441	10 465 577	2 711 559	12 126 785	2 772 103	12 785 416
Rubble, rip-rap, crushed rock . t	2 652 976	12 898 647	3 371 759	17 910 535	4 068 127	24 969 600
Sand and gravel ..... t	26 702 329	65 648 899	39 560 774	99 919 233	29 395 820	77 313 135
Building stone ..... t	145	24 547	181	28 047	170	15 760
Total Structural Materials	—	164 156 644	—	208 401 528	—	192 253 455
Coal						
Coal - Sold and Used ..... t	10 645 742	566 878 240	11 480 298	555 789 196	20 739 725	1 007 519 670
Total Solid Minerals	—	1 884 167 482	—	1 959 703 020	—	2 351 343 439
Petroleum and Natural Gas						
Crude Oil ..... m^3	2 078 258	333 892 930	2 078 771	402 075 887	2 094 156	434 600 112
Field Condensates ..... m^3	20 771	3 337 069	17 636	3 411 155	14 102	2 926 650
Plant Condensates ..... m^3	135 185	19 765 399	113 984	20 225 321	131 441	25 023 699
Natural gas delivered to pipeline ..... 10^3m^3	7 188 561	542 664 470	6 899 911	455 187 128	7 769 368	518 683 014
Butane ..... m^3	89 443	9 436 236	80 291	12 897 946	81 972	11 076 111
Propane ..... m^3	68 783	3 806 451	62 494	5 553 842	59 687	5 440 470
Total Petroleum and Natural Gas	—	912 902 555	—	899 351 279	—	997 750 056
Grand Totals	—	**2 797 070 037**	—	**2 859 054 299**	—	**3 349 093 495**

Table 5-A

Mineral Production 1985 — 1987

	1985		1986		1987	
	Quantity	Value $	Quantity	Value $	Quantity	Value $
Metals						
Antimony ..... kg	643 001	3 871 509	488 465	2 992 825	374 171	1 208 572
Bismuth ..... kg	33 201	580 021	11 374	105 119	22 776	241 676
Cadmium ..... kg	239 849	872 571	304 468	1 163 981	200 792	1 166 802
Copper ..... kg	301 648 642	579 674 070	332 215 028	629 479 111	355 897 693	842 341 196
Gold-						
placer ..... g	387 077	5 403 595	166 483	2 734 949	456 460	8 791 021
lode fine ..... g	6 381 599	89 094 237	9 225 036	152 300 944	11 644 700	230 310 373
Iron concentrates ..... t	87 571	3 819 609	50 546	2 217 168	58 070	2 220 950
Lead ..... kg	116 811 328	42 337 760	91 784 242	38 183 405	69 911 213	49 828 244
Molybdenum ..... kg	6 624 127	63 218 087	11 573 619	92 781 106	14 138 543	121 687 917
Platinum ..... g	—	—	—	—	—	—
Silver ..... g	378 172 924	100 951 341	395 850 085	94 615 495	371 599 737	122 562 405
Tin ..... kg	119 592	1 719 173	57 438	621 801	5 605	51 992
Tungsten ..... kg	—	—	—	—	—	—
Zinc ..... kg	108 072 664	112 725 885	137 582 872	138 022 893	100 718 749	109 368 709
Others	—	1 183 096	—	1 447 894	—	1 813 744
Total Metals	—	1 005 450 954	—	1 156 666 691	—	1 491 593 601
Industrial Minerals						
Asbestos ..... t	89 350	56 715 028	78 348	39 662 680	97 848	46 938 025
Diatomite ..... t	2 632	144 961	2 500	132 000	—	—
Fluxes (quartz, limestone) .... t	8 216	180 551	54	9 700	—	—
Granules (quartz, limestone, granite) ..... t	61 451	1 738 421	120 760	2 351 334	134 786	2 313 225
Gypsum and gypsite ..... t	479 730	5 004 759	527 167	5 460 671	587 701	6 231 926
Jade ..... kg	98 931	706 010	217 081	1 089 534	178 702	984 495
Sulphur ..... t	500 979	42 907 957	501 459	82 613 624	505 831	64 885 085
Others	—	3 618 333	—	3 074 483	—	3 876 042
Total Industrial Minerals	—	111 016 020	—	134 394 026	—	125 228 798
Structural Materials						
Cement ..... t	988 498	74 531 197	1 077 218	75 584 058	1 312 074	88 181 547
Clay products	—	9 390 548	—	10 212 928	—	8 376 402
Lime and limestone ..... t	1 428 238	7 935 203	1 502 836	9 221 437	2 063 286	12 389 935
Rubble, rip-rap, crushed rock . t	5 344 247	23 932 969	3 180 714	14 314 516	3 590 641	18 230 984
Sand and gravel ..... t	49 007 121	117 014 859	42 887 795	105 281 747	49 259 996	131 316 297
Building stone ..... t	112	20 016	347	49 000	391	51 212
.....	—	—	—	—		
Total Structural Materials	—	232 824 792	—	214 663 686	—	258 546 377
Coal						
Coal - Sold and Used ..... t	22 612 810	1 028 317 201	20 851 972	934 414 249	22 586 852	892 521 959
Total Solid Minerals	—	2 377 608 967	—	2 440 138 652	—	2 767 890 735
Petroleum and Natural Gas						
Crude oil ..... m^3	1 958 195	427 610 933	2 019 450	230 217 300	2 083 471	302 284 499
Natural gas delivered to						
pipeline ..... $10^3 m^3$	8 321 541	575 184 893	7 957 692	486 294 558	9 826 219	372 511 962
Others [1]	—	46 751 108	—	61 403 256	—	57 098 230
Total Petroleum and Natural Gas	—	1 049 546 934	—	777 915 114	—	731 894 691
Grand Totals	—	**3 427 155 901**	—	**3 218 053 766**	—	**3 499 785 426**

1 *Others include Liquid Petroleum Gases (LPG's) and Pentanes*

Mineral Production 1988 — 1990

	1988 Quantity	1988 Value $	1989 Quantity	1989 Value $	1990 Quantity	1990 Value $
Metals						
Antimony ..... kg	335 884	946 857	523 539	649 972	469 228	987 255
Bismuth ..... kg	18 805	292 192	3 152	46 558	637	5 692
Cadmium ..... kg	285 753	5 451 500	327 264	5 362 221	176 007	1 529 325
Copper ..... kg	353 481 625	1 117 031 341	303 199 718	1 002 528 683	325 320 434	985 015 266
Germanium ..... kg	—	—	4 785	1 559 000	4 076	1 082 681
Gold-						
placer ..... g	808 653	14 515 321	1 065 774	15 475 038	660 179	9 955 499
lode fine ..... g	11 963 987	214 723 536	14 420 239	220 974 001	15 374 931	231 785 037
Iron concentrates ..... t	59 458	2 203 210	73 144	2 861 520	100 457	3 675 874
Lead ..... kg	105 296 208	74 349 472	68 369 344	46 266 966	19 556 431	15 954 770
Molybdenum ..... kg	12 924 198	116 005 450	13 617 712	112 274 115	12 284 589	88 326 296
Platinum ..... g	—	—	—	—	—	—
Silver ..... g	423 440 789	112 539 299	493 844 443	105 442 581	631 083 758	115 126 533
Tin ..... kg	40 207	361 019	24 700	256 139	7 436	55 034
Tungsten ..... kg	—	—	—	—	—	—
Zinc ..... kg	139 377 351	212 299 874	120 496 624	241 011 125	57 436 291	103 423 640
Others	—	5 054 673	—	2 707 787	—	1 939 377
Total Metals	—	1 875 773 744	—	1 757 415 706	—	1 558 862 279
Industrial Minerals						
Asbestos ..... t	109 139	54 240 546	109 180	58 267 878	95 208	53 209 847
Diatomite ..... t	—	—	—	—	—	—
Fluxes (quartz, limestone) .... t	—	—	—	—	—	—
Granules (quartz, limestone, granite) ..... t	143 516	2 666 938	143 900	3 151 388	95 345	2 286 479
Gypsum and gypsite ..... t	412 488	4 836 888	357 742	4 429 245	506 499	3 090 406
Jade ..... kg	366 000	1 838 245	600 000	2 608 256	168 047	448 475
Sulphur ..... t	510 307	43 134 889	473 665	51 806 874	453 138	55 565 039
Others	—	4 744 759	—	4 490 661	—	4 845 843
Total Industrial Minerals	—	111 462 265	—	124 754 302	—	119 446 089
Structural Materials						
Cement ..... t	1 519 634	106 494 497	1 483 667	112 625 000	1650 280	144 045 000
Clay products	—	9 662 743	—	10 837 797	—	5 529 000
Lime and limestone ..... t	1 796 889	10 090 842	1 353 394	8 049 938	1 960 895	12 072 726
Rubble, rip-rap, crushed rock .t	2 189 639	11 627 830	2 589 320	13 472 188	1 462 837	9 977 823
Sand and gravel ..... t	48 517 177	120 241 876	50 787 750	151 235 111	41 278 438	140 584 743
Building stone ..... t	261	38 915	136	30 000	6 846	538 146
Others	—	—	—	500 000	—	—
Total Structural Materials	—	258 156 703	—	296 750 034	—	312 747 438
Coal						
Coal - Sold and Used ..... t	24 813 082	978 811 603	25 134 198	1 000 597 678	24 366 481	979 857 019
Total Solid Minerals	—	3 224 204 315	—	3 179 517 720	—	2 970 912 825
Petroleum and Natural Gas						
Crude oil ..... m^3	1 882 039	205 913 887	1 993 796	262 678 701	1 965 892	318 446 387
Natural gas delivered to pipeline ..... $10^3 m^3$	10 312 123	476 832 568	13 397 212	495 373 464	11 322 199	529 653 582
Others [1]	—	52 632 000	—	25 246 273	—	38 820 470
Total Petroleum and Natural Gas	—	735 378 455	—	783 298 438	—	886 920 439
Grand Totals	—	**3 959 582 770**	—	**3 962 816 158**	—	**3 857 833 264**

1 *Others include Liquid Petroleum Gases (LPG's) and Pentanes*

Table 7-A

Prices[1] Used In Valuing Production Of Gold, Silver, Copper, Lead, Zinc and Coal

	Gold (Fine) $/g	Silver (Fine) $/g	Copper $/kg	Lead $/kg	Zinc $/kg	Molybdenum $/kg	Coal $/t
1901	$0.66	$0.02 N.Y.	$0.36 N.Y.	$0.06 N.Y.	—	—	$2.92
1902	"	$0.02 "	$0.26 "	$0.08 "	—	—	$2.90
1903	"	$0.02 "	$0.29 "	$0.08 "	—	—	$2.94
1904	"	$0.02 "	$0.28 "	$0.09 "	—	—	$2.89
1905	"	$0.02 "	$0.34 "	$0.09 "	—	—	$2.98
1906	"	$0.02 "	$0.43 "	$0.11 "	—	—	$2.88
1907	"	$0.02 "	$0.44 "	$0.11 "	—	—	$3.38
1908	"	$0.02 "	$0.29 "	$0.08 "	—	—	$3.43
1909	"	$0.02 "	$0.29 "	$0.09 "	—	—	$3.52
1910	"	$0.02 "	$0.28 "	$0.09 "	$0.10 E.St.L.	—	$3.69
1911	"	$0.02 "	$0.27 "	$0.09 "	$0.11 "	—	$3.51
1912	"	$0.02 "	$0.36 "	$0.09 "	$0.13 "	—	$3.70
1913	"	$0.02 "	$0.34 "	$0.09 "	$0.11 "	—	$3.74
1914	"	$0.02 "	$0.30 "	$0.08 "	$0.10 "	—	$3.69
1915	"	$0.02 "	$0.38 "	$0.09 "	$0.25 "	—	$3.78
1916	"	$0.02 "	$0.60 "	$0.14 "	$0.24 "	—	$3.80
1917	"	$0.02 "	$0.60 "	$0.17 "	$0.17 "	—	$3.84
1918	"	$0.03 "	$0.54 "	$0.15 "	$0.15 "	—	$5.50
1919	"	$0.03 "	$0.41 "	$0.11 "	$0.14 "	—	$5.42
1920	"	$0.03 "	$0.39 "	$0.16 "	$0.14 "	—	$5.20
1921	"	$0.02 "	$0.28 "	$0.09 "	$0.09 "	—	$5.30
1922	"	$0.02 "	$0.30 "	$0.11 "	$0.11 "	—	$5.20
1923	"	$0.02 "	$0.32 "	$0.14 "	$0.12 "	—	$5.30
1924	"	$0.02 "	$0.29 "	$0.16 "	$0.12 "	—	$5.39
1925	"	$0.02 "	$0.31 "	$0.17 Lond.	$0.17 Lond.	—	$5.28
1926	"	$0.02 "	$0.30 "	$0.15 "	$0.16 "	—	$5.34
1927	"	$0.02 "	$0.29 "	$0.12 "	$0.14 "	—	$5.30
1928	"	$0.02 "	$0.32 "	$0.10 "	$0.12 "	—	$5.19
1929	"	$0.02 "	$0.40 "	$0.11 "	$0.12 "	—	$5.22
1930	"	$0.01 "	$0.29 "	$0.09 "	$0.08 "	—	$5.21
1931	"	$0.01 "	$0.18 "	$0.06 "	$0.06 "	—	$4.80
1932	$0.75	$0.01 "	$0.14 Lond.	$0.05 "	$0.05 "	—	$4.45
1933	$0.92	$0.01 "	$0.16 "	$0.05 "	$0.07 "	—	$4.30
1934	$1.11	$0.02 "	$0.16 "	$0.05 "	$0.07 "	—	$4.41
1935	$1.13	$0.02 "	$0.17 "	$0.07 "	$0.07 "	—	$4.35
1936	$1.13	$0.01 "	$0.21 "	$0.09 "	$0.07 "	—	$4.66
1937	$1.12	$0.01 "	$0.29 "	$0.11 "	$0.11 "	—	$4.68
1938	$1.13	$0.01 "	$0.22 "	$0.07 "	$0.07 "	—	$4.42
1939	$1.16	$0.01 "	$0.22 "	$0.07 "	$0.07 "	—	$4.43
1940	$1.24	$0.01 "	$0.22 "	$0.07 "	$0.08 "	—	$4.70
1941	$1.24	$0.01 "	$0.22 "	$0.07 "	$0.08 "	—	$4.57
1942	$1.24	$0.01 "	$0.22 "	$0.07 "	$0.08 "	—	$4.55
1943	$1.24	$0.01 "	$0.26 "	$0.08 "	$0.09 "	—	$4.60
1944	$1.24	$0.01 "	$0.27 "	$0.10 "	$0.10 "	—	$4.68
1945	$1.24	$0.02 "	$0.28 "	$0.11 "	$0.14 "	—	$4.67
1946	$1.18	$0.03 "	$0.28 "	$0.15 "	$0.17 "	—	$5.16
1947	$1.13	$0.02 "	$0.45 "	$0.30 "	$0.25 "	—	$5.64
1948	$1.13	$0.32 Mont.	$0.49 U.S.	$0.40 "	$0.31 "	—	$6.71
1949	$1.16	$0.02 U.S.	$0.44 "	$0.35 U.S.	$0.29 U.S.	—	$7.18
1950	$1.22	$0.03 "	$0.52 "	$0.32 "	$0.33 "	—	$7.09

Prices[1] Used In Valuing Production Of Gold, Silver, Copper, Lead, Zinc and Coal

	Gold (Fine) $/g	Silver (Fine) $/g	Copper - $/kg	Lead - $/kg	Zinc - $/kg	Molybdenum - $/kg	Coal - $/t
1951	$1.18	$0.03 "	$0.61 "	$0.41 "	$0.44 "	—	$7.12
1952	$1.10	$0.03 "	$0.69 "	$0.36 "	$0.35 "	—	$7.65
1953	$1.11	$0.03 "	$0.67 "	$0.29 "	$0.24 "	—	$7.58
1954	$1.10	$0.03 "	$0.64 "	$0.30 "	$0.23 "	—	$7.72
1955	$1.11	$0.03 "	$0.84 "	$0.33 "	$0.27 "	—	$7.43
1956	$1.11	$0.03 "	$0.88 "	$0.35 "	$0.29 "	—	$7.26
1957	$1.08	$0.03 "	$0.57 "	$0.31 "	$0.25 "	—	$7.45
1958	$1.09	$0.03 "	$0.52 "	$0.26 "	$0.22 "	—	$8.21
1959	$1.08	$0.03 "	$0.61 "	$0.26 "	$0.24 "	—	$8.74
1960	$1.09	$0.03 "	$0.64 "	$0.26 "	$0.28 "	$3.87	$7.32
1961	$1.14	$0.03 "	$0.62 "	$0.24 "	$0.26 "	—	$8.16
1962	$1.20	$0.04 "	$0.67 "	$0.23 "	$0.27 "	—	$8.19
1963	$1.21	$0.04 "	$0.68 "	$0.27 "	$0.29 "	—	$8.08
1964	$1.21	$0.04 "	$0.74 "	$0.32 "	$0.32 "	$3.67	$7.65
1965	$1.21	$0.04 "	$0.85 "	$0.38 "	$0.35 "	$3.75	$7.75
1966	$1.21	$0.04 "	$1.18 "	$0.36 "	$0.34 "	$3.56	$8.02
1967	$0.21	$0.05 "	$1.13 "	$0.33 "	$0.33 "	$3.92	$8.54
1968	$1.21	$0.07 "	$1.20 "	$0.32 "	$0.31 "	$3.62	$8.72
1969	$1.21	$0.06 "	$1.47 "	$0.35 "	$0.35 "	$3.98	$8.82
1970	$1.18	$0.06 "	$1.29 [2]	$0.36 U.S.	$0.35	$3.71	$8.16
1971	$1.14	$0.05 "	$1.03 [2]	$0.31 "	$0.36 "	$3.72	$11.06
1972	$1.85	$0.05 "	$0.99 [2]	$0.33 "	$0.39 "	$3.40	$12.08
1973	$3.13	$0.08 "	$1.84 [2]	$0.36 "	$0.46 "	$3.76	$12.71
1974	$5.35 [2]	$0.16 [2]	$1.88 [2]	$0.42 [2]	$0.77 [2]	$4.41	$19.93
1975	$5.20 [2]	$0.16 [2]	$1.28 [2]	$0.35 [2]	$0.81 [2]	$5.47	$35.53
1976	$4.04 [2]	$0.14 [2]	$1.44 [2]	$0.38 [2]	$0.62 [2]	$6.68	$39.63
1977	$5.30 [2]	$0.16 [2]	$1.40 [2]	$0.54 [2]	$0.59 [2]	$9.15	$39.04
1978	$7.33 [2]	$0.20 [2]	$1.58 [2]	$0.64 [2]	$0.54 [2]	$12.85	$40.35
1979	$12.58 [2]	$0.44 [2]	$2.41 [2]	$1.04 [2]	$0.70 [2]	$29.84	$41.56
1980	$22.78 [2]	$0.77 [2]	$2.53 [2]	$0.86 [2]	$0.73 [2]	$25.85	$42.64
1981	$17.61 [2]	$0.38 [2]	$2.11 [2]	$0.73 [2]	$0.85 [2]	$15.33	$47.16
1982	$15.42 [2]	$0.32 [2]	$1.77 [2]	$0.51 [2]	$0.85 [2]	$10.51	$53.25
1983	$16.45 [2]	$0.45 [2]	$1.98 [2]	$0.43 [2]	$0.84 [2]	$8.13	$48.41
1984	$16.40 [2]	$0.33 [2]	$1.85 [2]	$0.45 [2]	$1.21 [2]	$9.36	$48.58
1985	$13.96 [2]	$0.27 [2]	$1.92 [2]	$0.36 [2]	$1.04 [2]	$9.54	$45.47
1986	$16.51 [2]	$0.24 [2]	$1.89 [2]	$0.42 [2]	$1.00 [2]	$8.02	$44.81
1987	$19.76 [2]	$0.33 [2]	$2.37 [2]	$0.71 [2]	$1.09 [2]	$8.61	$39.52
1988	$17.95 [2]	$0.27 [2]	$3.16 [2]	$0.71 [2]	$1.52 [2]	$8.98	$39.45
1989	$15.32 [2]	$0.21 [2]	$3.31 [2]	$0.68 [2]	$2.00 [2]	$8.24	$39.81
1990	$15.08 [2]	$0.18 [2]	$3.03 [2]	$0.82 [2]	$1.80 [2]	$7.19	$40.21

[1] *Prior to 1974, the average Canadian Mint buying price was used for fine gold. From 1974 onwards, the price is that received by the producer. The price of placer gold was first established arbitrarily at $0.55 per gram. From 1931 through 1962, it increased according to the price of fine gold. From 1962 to 1984, placer gold price was the average price received. Prior to 1949, prices used for silver, copper, lead and zinc were average prices at the markets indicated converted to Canadian funds. (Mont.=Montreal. Lon. = London, E.St. L. = East St. Louis, U.S. = United States) From 1949 to 1969, prices used were New York for silver and lead, East St. Louis Prime Western for zinc and U.S. Export Refinery for copper.*

[2] *The average price received by B.C. producers has been used since 1970 for copper and since 1974 for gold, silver, lead, zinc and molybdenum.*

The price for coal is the average of the minehead value of all types of coal sold from B.C. producers.

Table 8-A

Production Of Gold And Silver 1858-1990

YEAR	GOLD (PLACER) Quantity g	GOLD (PLACER) Value $	GOLD (FINE) Quantity g	GOLD (FINE) Value $	GOLD (TOTAL) Quantity g	GOLD (TOTAL) Value $	SILVER Quantity g	SILVER Value $
1858-1890	100 978 533	55 192 163	—	—	100 978 533	55 192 163	6 876 531	214 152
1891-1900	11 703 748	6 397 183	19 682 165	12 858 353	31 385 913	19 255 536	700 977 829	13 561 194
1901-1910	15 787 261	8 628 660	72 224 836	47 998 179	88 012 097	56 626 839	971 114 910	16 973 507
1911-1920	8 656 275	4 731 100	63 112 995	41 942 862	71 769 270	46 673 962	994 340 920	22 572 682
1921	426 733	233 200	4 222 699	2 804 197	4 649 432	3 037 397	83 150 418	1 591 201
1922	674 624	368 800	6 153 915	4 089 684	6 828 539	4 458 484	220 872 076	4 554 781
1923	768 555	420 000	5 575 057	3 704 994	6 343 612	4 124 994	187 643 964	3 718 129
1924	769 799	420 750	7 704 711	5 120 535	8 474 510	5 541 285	259 454 010	5 292 184
1925	512 453	280 092	6 522 890	4 335 069	7 035 343	4 615 161	238 088 613	5 286 818
1926	650 426	355 503	6 264 984	4 163 859	6 915 410	4 519 362	334 312 337	6 675 606
1927	285 868	156 247	5 536 365	3 679 601	5 822 233	3 835 848	325 654 164	5 902 043
1928	262 012	143 208	5 619 130	3 734 609	5 881 142	3 877 817	330 536 775	6 182 461
1929	217 192	118 711	4 516 871	3 002 020	4 734 063	3 120 731	309 791 230	5 278 194
1930	278 527	152 235	5 002 482	3 324 975	5 281 009	3 477 210	352 342 964	4 322 185
1931	534 225	291 992	4 545 175	3 020 837	5 079 400	3 312 829	234 867 945	2 254 979
1932	634 501	395 542	5 649 891	4 263 389	6 284 392	4 658 931	222 406 822	2 264 729
1933	744 233	562 787	6 954 289	6 394 645	7 698 522	6 957 432	218 397 615	2 656 526
1934	783 205	714 431	9 244 309	10 253 953	10 027 514	10 968 384	267 920 527	4 088 280
1935	961 985	895 058	11 363 263	12 856 419	12 325 248	13 751 477	288 323 068	6 005 996
1936	1 349 528	1 249 940	12 583 590	14 172 367	13 933 118	15 422 307	296 944 198	4 308 330
1937	1 684 321	1 558 245	14 331 671	16 122 767	16 015 992	17 681 012	351 630 830	5 073 962
1938	1 796 478	1 671 015	17 340 607	19 613 624	19 137 085	21 284 639	337 827 661	4 722 288
1939	1 547 250	1 478 492	18 267 912	21 226 957	19 815 162	22 705 449	336 577 786	4 381 365
1940	1 215 101	1 236 928	18 149 347	22 461 516	19 364 448	23 698 444	383 436 042	4 715 315
1941	1 361 534	1 385 962	17 760 622	21 984 501	19 122 156	23 370 463	378 700 797	4 658 545
1942	1 023 413	1 041 772	13 825 843	17 113 943	14 849 256	18 155 715	301 011 133	4 080 775
1943	454 104	462 270	6 979 607	8 639 516	7 433 711	9 101 786	265 193 820	3 858 496
1944	355 601	361 977	5 804 815	7 185 332	6 160 416	7 547 309	177 453 003	2 453 293
1945	391 556	398 591	5 454 626	6 751 860	5 846 182	7 150 451	191 510 720	2 893 934
1946	489 219	475 361	3 658 086	4 322 241	4 147 305	4 797 602	197 994 264	5 324 959
1947	216 757	200 585	7 566 800	8 514 870	7 783 557	8 715 455	177 550 262	4 110 092
1948	632 386	585 200	8 902 612	10 018 050	9 534 998	10 603 250	209 016 328	5 040 101
1949	556 308	529 524	8 969 981	10 382 256	9 526 289	10 911 780	237 559 178	5 671 082
1950	595 125	598 717	8 832 723	10 805 553	9 427 848	11 404 270	295 772 610	7 667 950
1951	736 861	717 911	8 126 405	9 627 947	8 863 266	10 345 858	255 632 882	7 770 983
1952	545 982	494 756	7 955 805	8 765 889	8 501 787	9 260 645	274 042 530	7 326 803
1953	443 062	403 230	7 886 228	8 727 294	8 329 290	9 130 524	260 606 407	7 019 272
1954	270 098	238 967	8 036 642	8 803 279	8 306 740	9 042 246	305 630 613	8 154 145
1955	238 436	217 614	7 541 762	8 370 306	7 780 198	8 587 920	245 811 643	6 942 995
1956	120 213	109 450	5 963 782	6 603 628	6 083 995	6 713 078	261 423 017	7 511 866
1957	91 318	80 990	6 948 504	7 495 170	7 039 822	7 576 160	252 847 111	7 077 166
1958	175 732	157 871	6 044 992	6 604 149	6 220 724	6 762 020	218 998 027	6 086 854
1959	235 450	208 973	5 385 360	5 812 511	5 620 810	6 021 484	192 779 535	5 421 417
1960	119 653	107 418	6 394 155	6 979 441	6 513 808	7 086 859	231 612 937	6 600 183
1961	106 248	99 884	4 970 913	5 667 253	5 077 161	5 767 137	229 353 429	6 909 140
1962	103 106	96 697	4 940 712	5 942 101	5 043 818	6 038 798	192 521 474	7 181 907
1963	143 696	135 411	4 820 312	5 850 458	4 964 008	5 985 869	199 764 616	8 861 050
1964	57 292	55 191	4 307 361	5 227 884	4 364 653	5 283 075	163 901 675	7 348 938
1965	26 935	25 053	3 642 908	4 419 089	3 669 843	4 444 142	154 646 729	6 929 793
1966	47 743	44 632	3 717 057	4 506 646	3 764 800	4 551 278	172 594 622	7 729 939
1967	27 713	25 632	3 923 861	4 763 688	3 951 574	4 789 320	192 239 525	10 328 695
1968	20 839	19 571	3 853 537	4 672 242	3 874 376	4 691 813	221 791 325	16 475 795
1969	12 410	11 720	3 654 012	4 427 506	3 666 422	4 439 226	179 169 889	11 100 491

Production Of Gold And Silver
1858 – 1990

YEAR	GOLD (PLACER) Quantity g	GOLD (PLACER) Value $	GOLD (FINE) Quantity g	GOLD (FINE) Value $	GOLD (TOTAL) Quantity g	GOLD (TOTAL) Value $	SILVER Quantity g	SILVER Value $
1970....	15 272	14 185	3 135 462	3 685 476	3 150 734	3 699 661	202 521 462	12 041 181
1971....	5 505	4 647	2 668 046	3 031 844	2 673 551	3 036 491	238 670 301	11 968 046
1972....	21 492	26 905	3 782 871	6 995 448	3 804 363	7 022 353	215 420 498	11 519 660
1973....	119 156	311 524	5 784 723	18 117 268	5 903 879	18 428 792	236 987 318	19 552 997
1974....	45 162	232 512	5 001 082	26 749 083	5 046 244	26 981 595	181 695 950	28 440 365
1975....	43 744	232 204	4 819 241	25 082 494	4 862 985	25 314 698	196 305 885	30 545 947
1976....	26 064	115 613	5 393 477	21 761 502	5 419 541	21 877 115	239 720 882	32 532 836
1977....	46 170	289 075	5 906 336	31 301 931	5 952 506	31 591 006	241 503 007	37 934 098
1978....	36 515	295 001	6 542 332	47 951 880	6 578 847	48 246 881	227 271 890	45 071 509
1979....	214 106	2 649 918	8 062 810	101 481 156	8 276 916	104 131 074	214 117 518	94 700 656
1980....	280 104	6 213 376	7 197 312	163 930 073	7 477 416	170 143 449	203 801 811	156 548 306
1981....	291 705	4 540 289	7 468 769	131 542 422	7 760 474	136 082 711	403 754 797	152 420 716
1982....	175 607	2 467 470	7 511 908	115 802 480	7 687 515	118 269 950	499 565 577	158 260 320
1983....	287 783	4 317 204	7 693 571	126 555 114	7 981 354	130 872 318	402 325 338	180 372 129
1984....	430 864	6 405 983	6 813 576	111 731 223	7 244 440	118 137 206	363 378 002	121 364 145
1985....	387 077	5 403 595	6 381 599	89 094 237	6 768 676	94 497 832	378 172 924	100 951 341
1986....	166 483	2 734 949	9 225 036	152 300 944	9 391 519	155 035 893	395 850 085	94 615 495
1987....	456 460	8 791 021	11 644 700	230 310 373	12 101 160	239 101 394	371 599 737	122 562 405
1988....	808 653	14 515 321	11 963 987	214 723 536	12 772 640	229 238 857	423 440 789	112 539 299
1989....	1 065 774	15 475 038	14 420 239	220 974 001	15 486 013	236 449 039	493 844 443	105 442 581
1990....	660 179	9 955 499	15 374 931	231 785 037	16 035 110	241 740 536	631 083 758	115 126 533
Totals..	**168 405 498**	**181 934 541**	**683 231 185**	**2 575 037 536**	**851 636 683**	**2 756 972 077**	**21 651 651 308**	**2 085 644 131**

Table 9-A

Production Of Copper, Lead And Zinc 1858 - 1990

YEAR	COPPER		LEAD		ZINC	
	Quantity kg	Value $	Quantity kg	Value $	Quantity kg	Value $
1858-1890	—	—	473 729	45 527	—	—
1891-1900	16 064 375	4 365 210	93 002 804	7 581 619	—	—
1901-1910	172 344 737	56 384 783	184 989 089	17 033 102	5 753 423	894 169
1911-1920	231 326 501	100 770 459	191 859 042	21 991 616	118 086 182	19 303 993
1921	17 706 790	4 879 624	18 779 664	1 693 354	22 416 133	1 952 065
1922	14 678 125	4 329 754	30 593 731	3 480 306	25 921 103	2 777 322
1923	26 181 346	8 323 266	43 845 439	6 321 770	26 464 465	3 278 903
1924	29 413 222	8 442 870	77 284 697	12 415 917	35 893 017	4 266 741
1925	32 797 475	10 153 269	107 908 698	18 670 329	44 568 438	7 754 450
1926	40 523 625	12 324 421	119 305 027	17 757 535	64 807 554	10 586 610
1927	40 461 530	11 525 011	128 364 347	14 874 292	65 872 809	8 996 135
1928	44 410 233	14 265 242	138 408 812	13 961 412	82 445 946	9 984 613
1929	46 626 180	18 612 850	139 705 336	15 555 189	78 061 406	9 268 792
1930	41 894 588	11 990 466	145 966 952	12 638 198	113 614 910	9 017 005
1931	29 090 879	5 365 690	118 796 232	7 097 812	91 657 703	5 160 911
1932	22 955 299	3 228 892	114 308 115	5 326 432	87 143 752	4 621 641
1933	19 572 164	3 216 701	123 235 512	6 497 719	88 887 198	6 291 416
1934	22 521 530	3 683 662	157 562 183	8 461 859	113 013 038	7 584 199
1935	17 884 241	3 073 428	156 156 723	10 785 930	116 227 650	7 940 860
1936	9 830 071	2 053 828	171 444 146	14 790 028	115 475 574	8 439 373
1937	20 891 260	6 023 411	190 107 902	21 417 049	132 081 905	14 274 245
1938	29 832 572	6 558 575	187 323 227	13 810 024	135 395 388	9 172 822
1939	33 227 590	7 392 862	171 794 338	12 002 390	126 283 585	8 544 375
1940	35 371 049	7 865 085	211 758 089	15 695 467	141 529 456	10 643 026
1941	30 134 516	6 700 693	207 218 262	15 358 976	166 861 962	12 548 031
1942	22 723 823	5 052 856	230 060 714	17 052 054	175 646 590	13 208 636
1943	19 190 263	4 971 132	199 196 604	16 485 902	152 474 485	13 446 018
1944	16 465 584	4 356 070	132 866 893	13 181 530	126 126 765	11 956 725
1945	11 726 375	3 244 472	152 849 156	16 848 823	133 714 538	18 984 581
1946	7 938 069	2 240 070	156 879 853	23 345 731	124 406 109	21 420 484
1947	18 952 769	8 519 741	142 306 192	42 887 313	114 761 068	28 412 593
1948	19 515 886	9 616 174	145 165 821	57 734 770	122 610 001	37 654 211
1949	24 882 500	10 956 550	120 373 215	41 929 866	130 736 145	38 181 214
1950	19 147 001	9 889 458	128 830 683	41 052 905	131 697 238	43 769 392
1951	19 617 612	11 980 155	124 037 181	50 316 015	153 091 761	67 164 754
1952	19 053 280	13 054 893	129 250 197	45 936 692	169 130 882	59 189 656
1953	22 235 441	14 869 544	135 004 129	39 481 244	173 407 848	40 810 618
1954	22 747 578	14 599 693	150 807 088	45 482 505	151 555 559	34 805 755
1955	20 065 928	16 932 549	137 241 656	45 161 245	194 680 177	52 048 909
1956	19 667 923	17 251 872	128 691 681	44 702 619	201 327 284	58 934 801
1957	14 237 029	8 170 465	127 732 462	39 568 086	203 787 462	50 206 681
1958	5 741 837	2 964 529	133 615 439	34 627 075	195 952 146	43 234 839
1959	7 363 374	4 497 991	130 372 360	33 542 306	182 498 693	44 169 198
1960	14 997 694	9 583 724	151 321 570	38 661 912	182 977 897	50 656 726
1961	14 375 361	8 965 149	174 307 617	42 313 562	175 970 780	43 370 891
1962	49 431 850	33 209 215	152 080 806	34 537 454	187 528 084	51 356 376
1963	53 635 704	36 238 007	142 869 197	37 834 714	182 734 698	53 069 163
1964	52 414 456	38 609 136	121 896 644	39 402 293	181 797 313	58 648 561
1965	38 644 540	32 696 081	113 480 794	43 149 171	141 179 547	48 666 933
1966	47 990 080	56 438 255	95 929 798	34 436 934	138 401 395	47 666 540
1967	78 352 932	88 135 172	94 406 546	31 432 079	119 217 472	39 248 539
1968	73 024 968	87 284 148	105 063 971	32 782 257	135 803 151	43 550 181
1969	75 937 956	111 592 416	95 286 815	33 693 539	134 565 199	46 639 024

Production Of Copper, Lead And Zinc 1858 - 1990

Year	COPPER		LEAD		ZINC	
	Quantity kg	Value $	Quantity kg	Value $	Quantity kg	Value $
1970	96 329 694	124 657 958	97 448 607	35 096 021	125 005 208	44 111 055
1971	127 286 040	131 037 918	112 865 575	34 711 408	138 549 629	49 745 789
1972	211 832 288	209 403 822	88 109 663	28 896 566	121 719 968	47 172 894
1973	317 603 055	582 803 251	84 890 924	30 477 936	137 380 768	62 564 751
1974	287 547 048	541 644 913	55 252 692	23 333 016	77 733 732	59 582 753
1975	258 497 599	331 693 850	70 603 483	24 450 158	99 668 230	80 572 872
1976	263 618 197	378 984 941	85 407 582	32 796 533	106 498 987	65 499 108
1977	275 224 115	384 736 661	78 172 646	42 316 293	103 780 228	61 301 001
1978	273 692 676	431 694 395	81 064 539	51 640 564	95 618 111	52 048 701
1979	272 163 001	656 359 923	84 451 905	88 100 363	88 418 642	61 890 891
1980	264 674 830	670 623 616	76 709 447	66 096 223	67 481 328	49 363 417
1981	290 088 241	611 282 050	84 854 093	61 529 276	79 214 552	67 026 535
1982	279 873 599	495 009 799	83 746 551	43 035 587	75 182 699	63 571 545
1983	282 864 697	561 111 733	112 941 984	48 778 436	95 286 818	79 634 214
1984	280 070 497	517 765 234	85 147 484	37 899 396	95 334 645	115 225 652
1985	301 648 642	579 674 070	116 811 328	42 337 760	108 072 664	112 725 885
1986	332 215 028	629 479 111	91 784 242	38 183 405	137 582 872	138 022 893
1987	355 897 693	842 341 196	69 911 213	49 828 244	100 718 749	109 368 709
1988	353 481 625	1 117 031 341	105 296 208	74 349 472	139 377 351	212 299 874
1989	303 199 718	1 002 528 683	68 369 344	46 266 966	120 496 624	241 011 125
1990	325 320 434	985 015 266	19 556 431	15 954 770	57 436 291	103 423 640
Totals	**7 588 946 428**	**12 772 329 300**	**8 835 513 119**	**2 228 922 848**	**8 586 800 980**	**3 219 937 000**

Table 10-A

Production Of Molybdenum And Iron Concentrates 1858 - 1990

Year	MOLYBDENUM		IRON	
	Quantity kg	Value $	Quantity t	Value $
1858-1890	—	—	27 097	70 879
1891-1900	—	—	11 820	45 602
1901-1910	—	—	17 738	68 436
1911-1920	11 946	36 698	3 358	18 510
1921	—	—	916	5 050
1922	—	—	1 089	3 600
1923	—	—	220	1 337
1924	—	—	—	—
1925	—	—	—	—
1926	—	—	—	—
1927	—	—	—	—
1928	—	—	18	—
1929	—	—	—	—
1930	—	—	—	—
1931	—	—	—	—
1932	—	—	—	—
1933	—	—	—	—
1934	—	—	—	—
1935	—	—	—	—
1936	—	—	—	—
1937	—	—	—	—
1938	—	—	—	—
1939	—	—	—	—
1940	—	—	—	—
1941	—	—	—	—
1942	—	—	—	—
1943	—	—	—	—
1944	—	—	—	—
1945	—	—	—	—
1946	—	—	—	—
1947	—	—	—	—
1948	—	—	616	3 735
1949	—	—	4 964	27 579
1950	—	—	—	—
1951	—	—	102 997	790 000
1952	—	—	816 898	5 474 924
1953	—	—	899 240	6 763 105
1954	—	—	486 018	3 733 891
1955	—	—	554 223	3 228 756
1956	—	—	335 616	2 190 847
1957	—	—	324 174	2 200 637
1958	—	—	571 769	4 193 442
1959	—	—	770 421	6 363 848
1960	2 456	9 500	1 052 651	10 292 847
1961	—	—	1 211 147	12 082 540
1962	—	—	1 627 342	18 326 911
1963	—	—	1 869 009	20 746 424
1964	12 812	47 063	1 816 684	20 419 487
1965	3 306 274	12 405 344	1 964 410	21 498 581
1966	7 754 088	27 606 061	1 952 074	20 778 934
1967	7 945 782	31 183 064	1 954 468	20 820 765
1968	8 980 988	32 552 722	1 900 311	21 437 569
1969	12 064 350	47 999 442	1 882 266	19 787 845

Table 10-A (Cont'd)

Production Of Molybdenum And Iron Concentrates 1858 - 1990

Year	MOLYBDENUM Quantity kg	MOLYBDENUM Value $	IRON Quantity t	IRON Value $
1970	14 186 706	52 561 796	1 704 650	17 391 883
1971	9 926 694	36 954 846	1 750 738	18 153 612
1972	12 719 391	43 260 349	1 139 698	11 642 379
1973	13 785 264	51 851 509	1 420 160	12 906 063
1974	13 789 825	60 791 552	1 306 930	12 742 227
1975	13 026 627	71 201 391	1 305 840	15 273 878
1976	14 088 686	94 109 138	1 255 277	14 760 526
1977	15 521 970	142 057 947	445 317	7 362 345
1978	13 055 203	167 714 272	615 569	11 597 462
1979	10 766 497	321 228 104	668 026	13 008 475
1980	11 179 501	288 934 398	653 324	13 670 233
1981	12 933 224	198 240 391	602 272	14 274 498
1982	14 747 888	154 990 970	774 951	19 630 010
1983	10 778 825	87 584 823	496 823	13 078 465
1984	12 164 806	113 803 442	198 464	6 584 179
1985	6 624 127	63 218 087	87 571	3 819 609
1986	11 573 619	92 781 106	50 546	2 217 168
1987	14 138 543	121 687 917	58 070	2 220 950
1988	12 924 198	116 005 450	59 458	2 203 210
1989	13 617 712	112 274 115	73 144	2 861 520
1990	12 284 589	88 326 296	100 457	3 675 874
TOTALS	**303 912 591**	**2 631 417 793**	**36 926 839**	**440 450 647**

METAL PRODUCTION - B.C. METAL MINES 1988

Mine	Ore Shipped or Treated (t)	Product Shipped	Gross Metal Content					
			Gold (g)	Silver (g)	Copper (kg)	Lead (kg)	Zinc (kg)	Molybdenum (kg)
Alberni Mining Division								
Myra Falls Operations	1 255 124	Copper concentrates 120 159 t; Zinc concentrates 96 640 t	1 469 107	34 875 293	26 858 000	99 000	45 385 000	-
Atlin Mining Division								
Silver Fox	-[2]	Custom Ore[1]	68	12 734	-	2 494	-	-
Cariboo Mining Division								
Gibraltar	5 473 121	Copper concentrates 49 535 t; Molybdenite concentrates 219 t	15 272	1 632 994	17 925 750	-	-	357 229
Clinton Mining Division								
Blackdome	79 396	Gold concentrates 599 t; Doré	1 708 328	6 514 686	-	-	-	-
Fort Steele Mining Division								
Sullivan	2 038 163	Lead concentrates 154 333 t; Zinc concentrates 306 178 t	-	95 243 201	-	105 006 620	102 488 460	-
Greenwood Mining Division								
Beaverdell	37 265	Zinc concentrates 178 t; Lead concentrates 361 t; Jig concentrates 211 t	7 060	11 001 891	689	124 274	128 038	-
Gold Drop	-[2]	Custom ore[1]	75	2 272	9	48	-	-
Skylark OB	21 591	Lead/Silver concentrates 914 t	51 103	8 835 005	6 346	81 672	5 063	-
Union/Sumac	-[2]	Tailings retreated	3 730	-	-	-	-	-

Table 11-A (88) (Cont'd)

METAL PRODUCTION - B.C. METAL MINES 1988

Mine	Ore Shipped or Treated (t)	Product Shipped	Gross Metal Content					
			Gold (g)	Silver (g)	Copper (kg)	Lead (kg)	Zinc (kg)	Molybdenum (kg)
Kamloops Mining Division								
Afton	3 094 452	Copper concentrates 22 947 t	1 004 518	2 750 791	7 710 706	-	-	-
Highland Valley Copper	44 109 498	Copper concentrates 388 970 t; Molybdic oxide 1 819 t; Molybdenum sulphide 1 507 t	597 529	66 399 175	175 501 685	-	-	1 939 262
Liard Mining Division								
Erickson	69 174	Flotation concentrates 2 686 t; Jig concentrates 3 t	526 130	669 874	-	-	-	-
Johnny Mountain	24 250	Gold bullion; Copper concentrates 725 t	146 856	122 100	17 090	-	-	-
Taurus	3 232	Cathode concentrates 3 596 t; Jig concentrates 4 319 t	4 792	-	-	-	-	-
Nanaimo Mining Division								
Island Copper	16 703 942	Copper concentrates 238 784 t; Molybdenite concentrates 4 330 t	1 394 152	13 411 539	64 055 889	-	-	1 972 403
Nelson Mining Division								
Alpine	90	Custom ore 90 t [1]	198	591	-	82	82	-
Nugget	- [2]	Custom ore [1]	8 474	13 476	-	1 715	-	-
Nicola Mining Division								
Craigmont	- [2]	Iron concentrates 39 271 t	-	-	-	-	-	-

METAL PRODUCTION - B.C. METAL MINES 1988

Mine	Ore Shipped or Treated (t)	Product Shipped	Gross Metal Content					
			Gold (g)	Silver (g)	Copper (kg)	Lead (kg)	Zinc (kg)	Molybde`um (kg)
Omineca Mining Division								
Bell Copper	5 367 308	Copper concentrates 80 488 t	871 364	3 161 606	22 632 003	-	-	-
Dutfide	1 000	Custom ore [1]	1 269	82 897	-	5 996	6 241	-
Endako Mines Division	7 549 200	Molybdenum sulphide 5 018 t; Ultrapure 202 t; Molybdic oxide 4 536 t; Other Molybdenum products 466 t	-	-	-	-	-	5 287 316
Equity Silver	3 228 212	Copper/Silver concentrates 42 562 t; Dore	1 490 479	183 393 471	6 879 299	-	-	-
Silver Standard	23	Custom ore [1]	-	54 091	-	5 152	1 315	-
Osoyoos Mining Division								
Brenda	11 286 146	Copper concentrates 60 377 t; Molybdenite concentrates 5 551 t	142 123	9 229 595	18 133 120	-	-	3 368 315
Hedley Tailings	22 000	Tailings retreated 22 000 t	3 600	144	-	-	-	-
Nickel Plate	879 645	Gold concentrates	2 714 889	2 955 710	-	-	-	-
Similkameen Mining Division								
Similkameen Division/Similco	7 189 690	Copper concentrates 90 052 t	524 529	12 685 957	27 195 638	-	-	-
Treasure Mountain	- [2]	Custom Ore [1]	-	1 266 000	-	120 190	24 460	-
Slocan Mining Division								
Silvana Division	27 790	Lead concentrates 2 183 t; Zinc concentrates 3 247 t	-	13 070 956	-	1 679 253	1 965 886	-

Table 11-A (88) (Cont'd)

METAL PRODUCTION - B.C. METAL MINES 1988

Mine	Ore Shipped or Treated (t)	Product Shipped	Gross Metal Content					
			Gold (g)	Silver (g)	Copper (kg)	Lead (kg)	Zinc (kg)	Molybdenum (kg)
Slocan Mining Division (Cont'd)								
Willa	495	Custom ore [1]	2 873	7 883	4 418	63	4 154	-
Abbott	1 031	Custom ore [1]	81	10 677	-	4 204	32 887	-
Comstock/Ainsworth	.[2]	Custom ore [1]	12 356	267 860	-	48 062	126 653	-
Hinkley Claim	.[2]	Custom ore [1]	419	173 230	-	38 611	105 031	-
Wagner	.[2]	Custom ore [1]	573	119 845	-	38 203	74 792	-
Vancouver Mining Division								
Britannia	362	Custom ore from tailings [1]	14 624	752	345	-	-	-

[1] Custom ore results estimated from custom smelter reports.

[2] Ore shipments not available.

METAL PRODUCTION - B.C. METAL MINES 1989

Mine	Ore Shipped or Treated (t)	Product Shipped	Gross Metal Content					
			Gold (g)	Silver (g)	Copper (kg)	Lead (kg)	Zinc (kg)	Molybdenum (kg)
Alberni Mining Division								
Myra Falls Operations	1 229 262	Copper concentrates 101 188 t; Zinc concentrates 79 305 t	1 339 499	29 132 000	23 234 000	302 000	39 222 000	-
Cariboo Mining Division								
Gibraltar	11 980 574	Copper concentrates 93 986 t; Molybdenite concentrates 1 023 t	3 060	3 603 555	35 075 711	-	-	347 876
Clinton Mining Division								
Blackdome	73 778	Slag 59 t; Gold concentrates 1 034 t; Doré	1 747 269	3 787 470	-	-	-	-
Fort Steele Mining Division								
Sullivan	1 653 573	Lead concentrates 87 581 t; Zinc concentrates 156 552 t	-	48 796 284	-	64 406 866	80 477 746	-
Greenwood Mining Division								
Beaverdell	36 550	Zinc concentrates 196 t; Lead concentrates 349 t; Jig concentrates 277 t	6 470	10 018 088	160	118 565	138 120	-
Skylark OB	11 680	Lead/Silver concentrates 194 t; Pyrite concentrates 93 t	39 100	2 916 044	3 190	25 866	38 545	-
Union	-	Heap leach treated 18 000 t	300	-	-	-	-	-
Kamloops Mining Division								
Afton	2 547 533	Copper concentrates 41 005 t	453 862	1 722 759	8 797 260	-	-	-

METAL PRODUCTION - B.C. METAL MINES 1989

Table 11-A (89) (Cont'd)

Mine	Ore Shipped or Treated (t)	Product Shipped	Gross Metal Content					
			Gold (g)	Silver (g)	Copper (kg)	Lead (kg)	Zinc (kg)	Molybdenum (kg)
Kamloops Mining Division (cont'd)								
Highland Valley Copper	32 323 729	Copper concentrates 289 965 t; Molybdenum concentrates 2 550 t	421 110	47 571 741	117 016 997	-	-	1 658 597
Liard Mining Division								
Johnny Mountain	94 282	Doré Copper concentrates 3 512 t	1 544 083	2 485 451	643 386	-	-	-
Premier Gold Project	382 132	Doré	460 389	5 573 211	-	-	-	-
Nanaimo Mining Division								
Island Copper	17 528 511	Copper concentrates 254 585 t; Molybdenite concentrates 6 757 t	1 491 536	14 029 970	61 468 875	-	-	2 890 698
Nicola Mining Division								
Craigmont	-	Iron concentrates 44 856 t	-	-	-	-	-	-
Omineca Mining Division								
Bell	5 535 766	Copper concentrates 63 962 t	780 107	2 856 556	18 506 138	-	-	-
Endako Mines Division	9 264 300	Molybdenum concentrates 470 t; Ferro-Molybdenum 1,111 t; Sulphides 81 t; Molybdic Oxides 4 947 t	-	-	-	-	-	5 538 544
Equity Silver	3 114 000	Copper/Silver concentrates 49 271 t; Doré	1 775 573	213 698 179	6 565 900	-	-	-
Lawyers	151 603	Doré	1 490 634	28 089 000	-	-	-	-
Shasta	13 096	Doré	32 593	2 192 030	-	-	-	-

METAL PRODUCTION - B.C. METAL MINES 1989

Mine	Ore Shipped or Treated (t)	Product Shipped	Gross Metal Content					
			Gold (g)	Silver (g)	Copper (kg)	Lead (kg)	Zinc (kg)	Molybdenum (kg)
Osoyoos Mining Division								
Brenda	11 562 626	Copper concentrates 61 089 t; Molybdenite concentrates 5 813 t	147 425	8 681 935	16 373 520	-	-	3 275 369
Hedley Tailings	97 000	Tailings retreated 97 000 t	68 428	-	-	-	-	-
Nickel Plate	1 065 026	Doré	2 463 800	3 246 000	-	-	-	-
Revelstoke Mining Division								
Samatcaum	86 767	Copper concentrates 2 304 t; Zinc concentrates 4 246 t; Lead concentrates 2 273 t	92 074	54 152 687	461 705	1 279 141	2 178 417	-
Windflower	-	Custom Ore [1]	29 804	118 244	-	-	-	-
Similkameen Mining Division								
Similco	7 508 777	Copper concentrates 101 090 t	511 092	12 406 000	26 310 097	-	-	-
Slocan Mining Division								
Silvana Division	25 190	Lead concentrates 2 291 t; Zinc concentrates 3 147 t	-	15 135 667	-	1 753 249	2 393 727	-
Hallmac	-	Custom ore [1]	-	1 768 320	-	-	-	-
Pilot Bay	-	Custom ore [1]	-	29 366	-	4 191	94 438	-
Wagner	2 500	Custom ore [1]	-	4 852	-	105 099	1 535	-

[1] Custom ore results estimated from custom smelter reports.

Table 11-A (90)

METAL PRODUCTION - B.C. METAL MINES 1990

Mine	Ore Shipped or Treated (t)	Product Shipped	Gross Metal Content					
			Gold (g)	Silver (g)	Copper (kg)	Lead (kg)	Zinc (kg)	Molybdenum (kg)
Atlin Mining Division								
Golden Bear	68 270	Doré	480 786	33 001	-	-	-	-
Alberni Mining Division								
Myra Falls Operations	1 171 337	Copper concentrates 83 577 t; Zinc concentrates 69 636 t	1 079 054	21 354 000	20 019 000	265 000	34 428 000	-
Cariboo Mining Division								
Gibraltar	11 701 957	Copper concentrates 103 853 t; Molybdenite concentrates 1 258 t	-	4 314 488	32 344 468	-	-	746 138
Clinton Mining Division								
Blackdome	72 906	Slag 12 t; Gold concentrates 1 434 t; Doré	1 338 849	8 524 437	-	-	-	-
Fort Steele Mining Division								
Sullivan	399 596	Lead concentrates 21 014 t; Zinc concentrates 38 259 t	-	9 697 038	-	14 968 863	21 067 779	-
Greenwood Mining Division								
Beaverdell	36 227	Zinc concentrates 229 t; Lead concentrates 342 t; Jig concentrates 285 t	5 785	10 591 231	2 064	129 974	152 964	-
Kamloops Mining Division								
Afton	2 843 475	Copper concentrates 53 852 t	783 154	1 590 570	10 947 053	-	-	-

METAL PRODUCTION - B.C. METAL MINES 1990

Mine	Ore Shipped or Treated (t)	Product Shipped	Gross Metal Content					
			Gold (g)	Silver (g)	Copper (kg)	Lead (kg)	Zinc (kg)	Molybdenum (kg)
Kamloops Mining Division (cont'd)								
Highland Valley Copper	46 263 361	Copper concentrates 417 436 t; Molybdenum concentrates 3 550 t	582 524	67 978 377	169 093 894	-	-	1 695 982
Liard Mining Division								
Johnny Mountain	86 865	Copper concentrates 2 557 t Doré	906 754	1 334 263	347 633	-	-	-
Premier Gold Project	735 598	Doré	1 480 671	18 523 936	-	-	-	-
Nanaimo Mining Division								
Island Copper	18 361 577	Copper concentrates 205 577 t; Molybdenite concentrates 4 025 t	1 088 715	16 512 120	44 861 648	-	-	2 104 784
Nicola Mining Division								
Craigmont	-	Iron concentrates 56 936 t	-	-	-	-	-	-
Omineca Mining Division								
Bell	5 422 912	Copper concentrates 76 637 t	901 397	3 197 799	21 349 508	-	-	-
Endako Mines Division	9 702 900	Molybdenum concentrates 213 t; Ferro-Molybdenum 436 t; Sulphides 148 t; Molybdic Oxides 6 425 t	-	-	-	-	-	6 474 993
Equity Silver	3 145 900	Copper/Silver concentrates 48 732 t; Doré	2 156 808	251 928 862	6 763 960	-	-	-
Lawyers	184 248	Doré	1 637 700	36 120 000	-	-	-	-
Shasta	57 937	Doré	257 687	13 257 913	-	-	-	-

Table 11-A (90) (Cont'd)

METAL PRODUCTION - B.C. METAL MINES 1990

Mine	Ore Shipped or Treated (t)	Product Shipped	Gross Metal Content					
			Gold (g)	Silver (g)	Copper (kg)	Lead (kg)	Zinc (kg)	Molybdenum (kg)
Osoyoos Mining Division								
Brenda	4 281 870	Copper concentrates 25 682 t; Molybdenite concentrates 2 226 t	50 978	3 326 932	6 183 110	-	-	1 262 692
Hedley Tailings	-	Tailings retreated	295 483	11 800	-	-	-	-
Nickel Plate	1 141 255	Doré	2 382 130	844 596	-	-	-	-
Revelstoke Mining Division								
Samatosum	169 152	Copper concentrates 5 743 t; Zinc concentrates 6 555 t; Lead concentrates 4 093 t	279 907	166 154 000	1 462 819	2 050 850	3 220 028	-
Similkameen Mining Division								
Similco	6 750 340	Copper concentrates 96 241 t	423 536	9 693 710	25 590 729	-	-	-
Slocan Mining Division								
Silvana Division	32 321	Lead concentrates 2 258 t; Zinc concentrates 3 021 t	-	12 740 280	-	1 749 072	1 749 344	-
Hallmac	-	Custom ore [1]	33	-	-	-	-	-

[1] Custom ore results estimated from custom smelter reports.

Table 12-A

Production of Coal, 1836 - 1990

YEAR	QUANTITY	VALUE
	t	$
1836-59	37 985	149 548
1860	14 475	56 988
1861	13 995	55 096
1862	18 409	72 472
1863	21 687	85 380
1864	29 091	115 528
1865	33 345	131 276
1866	25 518	100 460
1867	31 740	124 956
1868	44 711	176 020
1869	36 376	143 208
1870	30 322	119 372
1871	50 310	164 612
1872	50 310	164 612
1873	50 311	164 612
1874	82 856	244 641
1875	111 912	330 435
1876	141 425	417 576
1877	156 525	462 156
1878	173 587	522 538
1879	245 172	723 903
1880	271 889	802 785
1881	232 020	685 171
1882	286 666	846 417
1883	216 721	639 897
1884	400 391	1 182 210
1885	371 461	1 096 788
1886	331 875	979 908
1887	419 992	1 240 080
1888	497 150	1 467 903
1889	589 133	1 739 490
1890	689 020	2 034 420
1891	1 045 607	3 087 291
1892	839 591	2 479 005
1893	993 988	2 934 882
1894	1 029 204	3 038 859
1895	954 727	2 824 687
1896	909 237	2 693 961
1897	906 610	2 734 522
1898	1 146 015	3 582 595
1899	1 302 088	4 126 803
1900	1 615 688	4 744 530
1901	1 718 692	5 016 398
1902	1 667 960	4 832 257
1903	1 473 933	4 332 297
1904	1 712 739	4 953 024
1905	1 855 121	5 511 861
1906	1 929 540	5 548 044
1907	2 255 214	7 637 713
1908	2 143 225	7 356 866
1909	2 439 109	8 574 884
1910	3 007 074	11 108 335
1911	2 305 778	8 071 747
1912	2 913 778	10 786 812
1913	2 461 665	9 197 460
1914	2 029 400	7 745 847
1915	1 883 851	7 114 178
1916	2 343 671	8 900 675
1917	2 209 982	8 484 343
1918	2 336 238	12 833 994
1919	2 207 659	11 975 671
1920	2 587 763	13 450 169
1921	2 422 455	12 836 013
1922	2 473 692	12 880 060
1923	2 391 998	12 678 548
1924	1 839 619	9 911 935
1925	2 305 337	12 168 905
1926	2 182 760	11 650 180
1927	2 316 408	12 269 135
1928	2 431 794	12 633 510
1929	2 154 607	11 256 260
1930	1 809 364	9 435 650
1931	1 601 600	7 684 155
1932	1 464 759	6 523 644
1933	1 249 347	5 375 171
1934	1 297 306	5 725 133
1935	1 159 721	5 048 864
1936	1 226 780	5 722 502
1937	1 312 003	6 139 920
1938	1 259 626	5 565 069
1939	1 416 184	6 280 956

Production of Coal, 1836 - 1990

YEAR	QUANTITY t	VALUE $
1940	1 507 758	7 088 265
1941	1 673 516	7 660 000
1942	1 810 731	8 237 172
1943	1 682 591	7 742 030
1944	1 752 626	8 217 966
1945	1 381 654	6 454 360
1946	1 305 516	6 732 470
1947	1 538 895	8 680 440
1948	1 455 552	9 765 395
1949	1 470 782	10 549 924
1950	1 427 907	10 119 303
1951	1 427 513	10 169 617
1952	1 272 150	9 729 739
1953	1 255 662	9 528 279
1954	1 186 849	9 154 544
1955	1 209 157	8 986 501
1956	1 285 664	9 346 518
1957	984 886	7 340 339
1958	722 490	5 937 860
1959	625 964	5 472 064
1960	715 455	5 242 223
1961	833 827	6 802 134
1962	748 731	6 133 986
1963	771 594	6 237 997
1964	826 737	6 327 678
1965	862 513	6 713 590
1966	771 848	6 196 219
1967	824 436	7 045 341
1968	870 180	7 588 989
1969	773 226	6 817 155
1970	2 398 635	19 559 669
1971	4 141 496	45 801 936
1972	5 466 846	66 030 210
1973	6 924 733	87 976 105
1974	7 757 440	154 593 643
1975	8 924 816	317 111 744
1976	7 537 695	298 683 679
1977	8 424 181	328 846 883
1978	9 463 920	381 895 241
1979	10 570 370	439 280 152
1980	10 823 530	461 492 857
1981	11 752 621	554 271 292
1982	10 645 742	566 878 240
1983	11 480 298	555 789 196
1984	20 739 725	1 007 519 670
1985	22 612 810	1 028 317 201
1986	20 836 863	934 414 249
1987	22 586 852	892 521 959
1988	24 813 082	978 811 603
1989	25 134 198	1 000 597 678
1990	24 366 481	979 857 019
Totals	**406 625 631**	**11 815 974 102**

Quantity from 1836 to 1909 is gross mine output and includes material lost in picking and washing. For 1910 and subsequent years the quantity is coal sold and used.

Table 13-A

Raw and Clean Coal Produced 1973 - 1990

Year	RAW COAL PRODUCED			CLEAN COAL PRODUCED		
	Metallurgical t	Thermal t	Total t	Metallurgical t	Thermal t	Total t
1973	9 806 384	77 287	9 883 671	6 992 044	58 866	7 050 910
1974	9 503 578	658 697	10 162 275	7 133 053	607 337	7 740 390
1975	12 160 856	777 937	12 938 793	8 813 069	766 733	9 579 802
1976	9 405 065	724 935	10 130 000	6 785 282	713 087	7 498 369
1977	10 564 568	993 022	11 557 590	7 793 920	786 729	8 580 649
1978	11 093 352	1 285 863	12 379 215	8 034 021	1 059 027	9 093 048
1979	13 412 935	1 214 796	14 627 731	9 676 908	906 742	10 583 650
1980	12 901 844	1 261 669	14 163 513	9 098 175	1 058 050	10 156 225
1981	14 547 742	941 878	15 489 620	10 897 614	844 912	11 742 526
1982	13 814 671	3 329 186	17 143 857	9 392 743	2 285 967	11 678 710
1983	13 622 766	3 803 893	17 426 659	9 519 149	2 448 017	11 967 166
1984	24 880 222	6 102 218	30 982 440	16 235 856	4 445 512	20 681 368
1985	—	—	35 110 354	19 439 640	3 697 432	23 137 072
1986	—	—	33 164 116	16 783 646	2 303 864	19 087 510
1987	—	—	34 431 391	18 553 253	4 227 957	22 781 210
1988	—	—	39 155 392	22 346 672	2 843 919	25 190 591
1989	—	—	37 463 287	21 537 784	2 959 048	24 496 832
1990	—	—	39 681 052	22 342 577	2 837 069	25 179 646

Table 14-A

Clean Coal Sold & Used
1973 - 1990

Year	METALLURGICAL			THERMAL		
	Quantity	Value	Average Price per tonne	Quantity	Value	Average Price per tonne
	t	$	$	t	$	$
1973	6 853 120	87 406 677	$12.75	71 613	569 428	$7.95
1974	7 261 404	149 025 665	$20.52	496 036	5 567 978	$11.22
1975	8 104 102	305 484 901	$37.70	820 714	11 626 843	$14.17
1976	6 824 493	283 753 979	$41.58	713 202	14 929 700	$20.93
1977	7 615 953	314 316 005	$41.27	808 228	14 530 878	$17.98
1978	8 530 370	361 254 854	$42.35	933 550	20 640 387	$22.11
1979	9 591 975	412 392 598	$42.99	978 395	26 887 554	$27.48
1980	9 654 317	423 128 068	$43.83	1 169 213	38 364 789	$32.81
1981	10 811 498	518 427 584	$47.95	941 123	35 843 708	$38.09
1982	8 399 674	487 004 686	$57.98	2 246 068	79 873 554	$35.56
1983	9 317 051	491 949 790	$52.80	2 163 247	63 839 406	$29.51
1984	16 302 413	895 175 302	$54.91	4 437 312	112 344 368	$25.32
1985	17 767 454	899 930 036	$50.65	4 845 356	128 387 165	$26.50
1986	16 690 177	828 539 190	$49.64	4 146 686	105 875 059	$25.53
1987	18 019 842	801 967 324	$44.50	4 567 010	90 554 635	$19.83
1988	21 684 754	909 404 840	$41.94	3 128 328	69 406 763	$22.19
1989	21 944 673	908 008 730	$41.38	3 189 525	92 588 948	$29.03
1990	21 345 548	896 051 170	$41.98	3 020 933	83 805 849	$27.74

Table 15-A

Clean Coal Sold & Used
1973 - 1990

TOTAL METALLURGICAL & THERMAL COAL

Year	Quantity	Value	Average Price Per tonne
	t	$	$
1973	6 924 733	87 976 105	$12.70
1974	7 757 440	154 593 643	$19.93
1975	8 924 816	317 111 744	$35.53
1976	7 537 695	298 683 679	$39.63
1977	8 424 181	328 846 883	$39.04
1978	9 463 920	381 895 241	$40.35
1979	10 570 370	439 280 152	$41.56
1980	10 823 530	461 492 857	$42.64
1981	11 752 621	554 271 292	$47.16
1982	10 645 742	566 878 240	$53.25
1983	11 480 298	555 789 196	$48.41
1984	20 739 725	1 007 519 670	$48.58
1985	22 612 810	1 028 317 201	$45.47
1986	20 836 863	934 414 249	$44.84
1987	22 586 852	892 521 959	$39.52
1988	24 813 082	978 811 603	$39.45
1989	25 134 198	1 000 597 678	$39.81
1990	24 366 481	979 857 019	$40.21

Table 16-A (88)

Coal Production By Mine
1988

	RAW COAL PRODUCTION			Clean Coal Production	Coal Used Making Coke and Plant Use
	Surface	Underground	Total		
	t	t	t	t	t
Fort Steele Mining Division					
Byron Creek Collieries Ltd.	1 378 945	-	1 378 945		
Metallurgical	-	-	-	343 174	-
Thermal	-	-	-	706 371	-
Crows Nest Resources Ltd. (Line Creek)	2 916 761	-	2 916 761		
Metallurgical	-	-	-	1 369 359	-
Thermal	-	-	-	725 546	-
Fording Coal Ltd.	8 645 770	-	8 645 770		
Metallurgical	-	-	-	5 731 335	-
Thermal	-	-	-	323 850	50 884
Westar Mining Ltd. (Balmer)	10 973 072	-	10 973 072		
Metallurgical	-	-	-	6 188 132	37 874
Thermal	-	-	-	274 475	-
Westar Mining Ltd. (Greenhills)	4 153 920	-	4 153 920		
Metallurgical	-	-	-	2 505 565	-
Thermal	-	-	-	572 159	-
Total - Fort Steele	28 068 468	-	28 068 468	18 739 966	88 758
Liard Mining Division					
Bullmoose Operating Corp.	2 224 700	-	2 224 700		
Metallurgical	-	-	-	1 658 915	-
Thermal	-	-	-	59 769	2 284
Quintette Coal Ltd.	8 730 875	-	8 730 875		
Metallurgical	-	-	-	4 550 192	8 499
Thermal	-	-	-	50 400	48 073
Total - Liard	10 955 575	-	10 955 575	6 319 276	58 856
Nanaimo Mining Division					
Quinsam Coal Ltd.	131 349	-	131 349		
Metallurgical	-	-	-	-	-
Thermal	-	-	-	131 349	-
TOTALS - 1988	39 155 392	-	39 155 392		
Metallurgical	-	-	-	22 346 672	46 373
Per Cent of 1988 totals	-	-	-	89%	31%
Thermal	-	-	-	2 843 919	101 241
Per Cent of 1988 totals	-	-	-	11%	69%
GRAND TOTALS - 1988	39 155 392	-	39 155 392	25 190 591	147 614

Table 17-A (88)

Coal Sales by Mine
1988

	C A N A D A						
	British Columbia	Other Provinces	Total	United States	Japan	Others	Total Sales
	t	t	t	t	t	t	t
Fort Steele Mining Division							
Byron Creek Collieries Ltd.							
Metallurgical	20 578	-	20 578	493	266 971	4 258	292 300
Thermal	216 191	472 958	689 149	91	-	(5 470)	683 770
Crows Nest Resources Ltd. (Line Creek)							
Metallurgical	-	-	-	349 211	940 646	56 842	1 346 699
Thermal	22 557	-	22 557	-	-	634 516	657 073
Fording Coal Ltd.							
Metallurgical	173 306	234 184	407 490	519 698	2 583 099	1 806 685	5 316 972
Thermal	10 466	185 306	195 772	-	69 283	121 312	386 367
Westar Mining Ltd. (Balmer)							
Metallurgical	71 651	899	72 550	22 688	2 842 036	2 681 103	5 618 377
Thermal	58 837	104 714	163 551	1 016	167 577	141 097	473 241
Westar Mining Ltd. (Greenhills)							
Metallurgical	-	-	-	-	253 614	2 174 530	2 428 144
Thermal	-	-	-	-	141 373	477 325	618 698
Total - Fort Steele	573 586	998 061	1 571 647	893 197	7 264 599	8 092 198	17 821 641
Liard Mining Division							
Bullmoose Operating Corp.							
Metallurgical	-	-	-	-	1 716 889	-	1 716 889
Thermal	-	-	-	-	76 589	-	76 589
Quintette Coal Ltd.							
Metallurgical	-	-	-	-	4 919 000	-	4 919 000
Thermal	-	-	-	-	-	-	-
Total - Liard	-	-	-	-	6 712 478	-	6 712 478
Nanaimo Mining Division							
Quinsam Coal Ltd.							
Metallurgical	-	-	-	-	-	-	-
Thermal	42 803	-	42 803	-	88 546	-	131 349
TOTALS - 1988							
Metallurgical	265 535	235 083	500 618	892 090	13 522 255	6 723 418	21 638 381
Per Cent of 1988 totals	43%	24%	31%	100%	96%	83%	88%
Thermal	350 854	762 978	1 113 832	1 107	543 368	1 368 780	3 027 087
Per Cent of 1988 totals	57%	76%	69%	0%	4%	17%	12%
GRAND TOTALS - 1988	616 389	998 061	1 614 450	893 197	14 065 623	8 092 198	24 665 468

Table 18-A (88)

Destination of Metallurgical Coal
Clean Coal Sold - 1988

	Bullmoose	Quintette	Balmer	Byron Creek	Fording	Greenhills	Line Creek	Quinsam
		t	t	t	t	t	t	t
B.C.	-	-	71 651	20 578	173 306	-	-	-
Other Canadian	-	-	899	-	234 184	-	-	-
- Total Canada	-	-	72 550	20 578	407 490	-	-	-
FOREIGN								
Mexico	-	-	55 000	-	-	-	-	-
U.S.A.	-	-	22 688	493	519 698	-	349 211	-
ASIA								
Hong Kong	-	-	-	-	-	-	-	-
Japan	1 716 889	4 919 000	2 842 036	266 971	2 583 099	253 614	940 646	-
Korea	-	-	1 003 058	-	789 226	965 890	175 009	-
Pakistan	-	-	165 978	-	-	-	-	-
Taiwan	-	-	-	-	572 619	482 500		-
- Total Asia	1 716 889	4 919 000	4 011 072	266 971	3 944 944	1 702 004	1 115 655	-
AFRICA								
Egypt	-	-	87 320	-	-	-	-	-
-Total Africa	-	-	87 320	-	-	-	-	-
EUROPE								
Denmark	-	-	-	-	-	-	-	-
France	-	-	211 547	-	-	78 610	-	-
Germany	-	-	-	-	-	52 613	-	-
Netherlands	-	-	54 889	-	-	375 234	25 798	-
Portugal	-	-	-	-	89 540	123 577	-	-
Sweden	-	-	-	-	-	-	-	-
Turkey	-	-	-	-	-	95 816	-	-
U.K.	-	-	410 519	-	-	-	108 227	-
Other	-	-	-	-	59 365	-	-	-
-Total Europe	-	-	676 955	-	148 905	725 850	134 025	-
SOUTH AMERICA								
Brazil	-	-	473 853	-	202 691	-	-	-
Chile	-	-	62 615	-	93 244	-	-	-
-Total S. America	-	-	536 468	-	295 935	-	-	-
Total Foreign	1 716 889	4 919 000	5 389 503	267 464	4 909 482	2 427 854	1 598 891	-
Total Sales	1 716 889	4 919 000	5 462 053	288 042	5 316 972	2 427 854	1 598 891	
Other/Adjust.	-	-	156 324	4 258	-	290	(252 192)	-
Total Net Sales	1 716 889	4 919 000	5 618 377	292 300	5 316 972	2 428 144	1 346 699	-

Table 19-A (88)

Destination of Thermal Coal
Clean Coal Sold - 1988

	Bullmoose t	Quintette t	Balmer t	Byron Creek t	Fording t	Greenhills t	Line Creek t	Quinsam t
B.C.	-	-	58 837	216 191	10 466	-	22 557	42 803
Other Canadian	-	-	104 714	472 958	185 306	-	-	-
- Total Canada	-	-	163 551	689 149	195 772	-	22 557	42 803
FOREIGN								
Mexico	-	-	-	-	-	-	-	-
U.S.A.	-	-	1 016	91	-	-	-	-
ASIA								
Hong Kong	-	-	-	-	-	-	-	-
Japan	76 589	-	167 577	-	69 283	141 373	-	88 546
Korea	-	-	60 000	-	-	206 163	1 065 907	-
Pakistan	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	121 000	38 578	-	-
- Total Asia	76 589	-	227 577	-	190 283	386 114	1 065 907	88 546
AFRICA								
Egypt	-	-	-	-	-	-	-	-
-Total Africa	-	-	-	-	-	-	-	-
EUROPE								
Denmark	-	-	-	-	-	288 831	-	-
France	-	-	31 027	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-
Turkey	-	-	-	-	-	-	-	-
U.K.	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
-Total Europe	-	-	31 027	-	-	288 831	-	-
SOUTH AMERICA								
Brazil	-	-	-	-	-	-	-	-
Chile	-	-	-	-	-	-	-	-
-Total S. America	-	-	-	-	-	-	-	-
Total Foreign	76 589	-	259 620	91	190 283	674 945	1 065 907	88 546
Total Sales	76 589	-	423 171	689 240	386 055	674 945	1 088 464	131 349
Other/Adjust.	-	-	50 070	(5 470)	312	(56 247)	(431 391)	-
Total Net Sales	76 589	-	473 241	683 770	386 367	618 698	657 073	131 349

Table 20-A (88)

Destination of B.C. Coal (Metallurgical & Thermal)
Clean Coal Sold - 1988

	Bullmoose t	Quintette t	Balmer t	Byron Creek t	Fording t	Greenhills t	Line Creek t	Quinsam t
B.C.	-	-	130 488	236 769	183 772	-	22 557	42 803
Other Canadian	-	-	105 613	472 958	419 490	-	-	-
- Total Canada	-	-	236 101	709 727	603 262	-	22 557	42 803
FOREIGN								
Mexico	-	-	55 000	-	-	-	-	-
U.S.A.	-	-	23 704	584	519 698	-	349 211	-
ASIA								
Hong Kong	-	-	-	-	-	-	-	-
Japan	1 793 478	4 919 000	3 009 613	266 971	2 652 382	394 987	940 646	88 546
Korea	-	-	1 063 058	-	789 226	1 172 053	1 240 916	-
Pakistan	-	-	165 978	-	-	-	-	-
Taiwan	-	-	-	-	693 619	521 078	-	-
- Total Asia	1 793 478	4 919 000	4 238 649	266 971	4 135 227	2 088 118	2 181 562	88 546
AFRICA								
Egypt	-	-	87 320	-	-	-	-	-
-Total Africa	-	-	87 320	-	-	-	-	-
EUROPE								
Denmark	-	-	-	-	-	288 831	-	-
France	-	-	242 574	-	-	78 610	-	-
Germany	-	-	-	-	-	52 613	-	-
Netherlands	-	-	54 889	-	-	375 234	25 798	-
Portugal	-	-	-	-	89 540	123 577	-	-
Sweden	-	-	-	-	-	-	-	-
Turkey	-	-	-	-	-	95 816	-	-
U.K.	-	-	410 519	-	-	-	108 227	-
Other	-	-	-	-	59 365	-	-	-
-Total Europe	-	-	707 982	-	148 905	1 014 681	134 025	-
SOUTH AMERICA								
Brazil	-	-	473 853	-	202 691	-	-	-
Chile	-	-	62 615	-	93 244	-	-	-
-Total S. America	-	-	536 468	-	295 935	-	-	-
Total Foreign	1 793 478	4 919 000	5 649 123	267 555	5 099 765	3 102 799	2 664 798	88 546
Total Sales	1 793 478	4 919 000	5 885 224	977 282	5 703 027	3 102 799	2 687 355	131 349
Other/Adjust.	-	-	206 394	(1 212)	312	(55 957)	(683 583)	-
Total Net Sales	1 793 478	4 919 000	6 091 618	976 070	5 703 339	3 046 842	2 003 772	131 349

Table 21-A (88)

Destination of British Columbia Coal by Region - 1988

	NORTHEAST COAL REGION		SOUTHEAST COAL REGION		VANCOUVER ISLAND	TOTAL	
	Metallurgical	Thermal	Metallurgical	Thermal	Thermal	Metallurgical	Thermal
	t	t	t	t	t	t	t
B.C.	0	0	265 535	308 051	42 803	265 535	350 854
Other Canadian	0	0	235 083	762 978	0	235 083	762 978
- Total Canada	0	0	500 618	1 071 029	42 803	500 618	1 113 832
FOREIGN							
Mexico	0	0	55 000	0	0	55 000	0
U.S.A.	0	0	892 090	1 107	0	892 090	1 107
ASIA							
Hong Kong	0	0	0	0	0	0	0
Japan	6 635 889	76 589	6 886 366	378 233	88 546	13 522 255	543 368
Korea	0	0	2 933 183	1 332 070	0	2 933 183	1 332 070
Pakistan	0	0	165 978	0	0	165 978	0
Taiwan	0	0	1 055 119	159 578	0	1 055 119	159 578
- Total Asia	6 635 889	76 589	11 040 646	1 869 881	88 546	17 676 535	2 035 016
AFRICA							
Egypt	0	0	87 320	0	0	87 320	0
-Total Africa	0	0	87 320	0	0	87 320	0
EUROPE							
Denmark	0	0	0	288 831	0	0	288 831
France	0	0	290 157	31 027	0	290 157	31 027
Germany	0	0	52 613	0	0	52 613	0
Netherlands	0	0	455 921	0	0	455 921	0
Portugal	0	0	213 117	0	0	213 117	0
Sweden	0	0	0	0	0	0	0
Turkey	0	0	95 816	0	0	95 816	0
U.K.	0	0	518 746	0	0	518 746	0
Other	0	0	59 365	0	0	59 365	0
-Total Europe	0	0	1 685 735	319 858	0	1 685 735	319 858
SOUTH AMERICA							
Brazil	0	0	676 544	0	0	676 544	0
Chile	0	0	155 859	0	0	155 859	0
-Total S. America	0	0	832 403	0	0	832 403	0
Total Foreign	6 635 889	76 589	14 593 194	2 190 846	88 546	21 229 083	2 355 981
Total Sales	6 635 889	76 589	15 093 812	3 261 875	131 349	21 729 701	3 469 813
Other/Adjust.	0	0	(91 320)	(442 726)	0	(91 320)	(442 726)
Total Net Sales	6 635 889	76 589	15 002 492	2 819 149	131 349	21 638 381	3 027 087

Table 16-A (89)

Coal Production By Mine
1989

	RAW COAL PRODUCTION			Clean Coal	Coal Used Making Coke and
	Surface	Underground	Total	Production	Plant Use
	t	t	t	t	t
Fort Steele Mining Division					
Byron Creek Collieries Ltd.	2 381 011	-	2 381 011		
Metallurgical	-	-	-	714 148	-
Thermal	-	-	-	868 608	-
Crows Nest Resources Ltd. (Line Creek)	2 532 490	-	2 532 490		
Metallurgical	-	-	-	1 244 512	-
Thermal	-	-	-	710 026	-
Fording Coal Ltd.	7 520 841	-	7 520 841		
Metallurgical	-	-	-	5 569 339	53 833
Thermal	-	-	-	186 039	-
Westar Mining Ltd. (Balmer)	9 997 374	-	9 997 374		
Metallurgical	-	-	-	5 727 938	5 716
Thermal	-	-	-	325 242	-
Westar Mining Ltd. (Greenhills)	3 995 329	-	3 995 329		
Metallurgical	-	-	-	2 456 954	-
Thermal	-	-	-	630 324	-
Total - Fort Steele	26 427 045	-	26 427 045	18 433 130	59 549
Liard Mining Division					
Bullmoose Operating Corp.	2 160 000	-	2 160 000		
Metallurgical	-	-	-	1 563 982	-
Thermal	-	-	-	54 809	-
Quintette Coal Ltd.	8 692 042	-	8 692 042		
Metallurgical	-	-	-	4 260 911	51 392
Thermal	-	-	-	-	-
Total - Liard	10 852 042	-	10 852 042	5 879 702	51 392
Nanaimo Mining Division					
Quinsam Coal Ltd.	184 200	-	184 200		
Metallurgical	-	-	-	-	-
Thermal	-	-	-	184 000	-
TOTALS - 1989	37 463 287	-	37 463 287		
Metallurgical	-	-	-	21 537 784	110 941
Per Cent of 1989 totals	-	-	-	88%	100%
Thermal	-	-	-	2 959 048	-
Per Cent of 1989 totals	-	-	-	12%	0%
GRAND TOTALS - 1989	37 463 287	-	37 463 287	24 496 832	110 941

Table 17-A (89)

Coal Sales By Mine
1989

	C A N A D A						
	British Columbia	Other Provinces	Total	United States	Japan	Others	Total Sales
	t	t	t	t	t	t	t
Fort Steele Mining Division							
Byron Creek Collieries Ltd.							
Metallurgical	47 289	-	47 289	433	729 824	-	777 546
Thermal	186 340	649 824	836 164	-	-	-	836 164
Crows Nest Resources Ltd. (Line Creek)							
Metallurgical	-	-	-	246 719	842 445	151 636	1 240 800
Thermal	48 922	-	48 922	-	-	637 800	686 722
Fording Coal Ltd.							
Metallurgical	41 844	-	41 844	683 475	2 513 998	2 020 555	5 259 872
Thermal	22 322	439 202	461 524	-	-	60 795	522 319
Westar Mining Ltd. (Balmer)							
Metallurgical	512	882	1 394	-	3 069 492	2 956 394	6 027 280
Thermal	22 532	-	22 532	-	139 249	89 297	251 078
Westar Mining Ltd. (Greenhills)							
Metallurgical	-	-	-	1 736	293 664	2 348 412	2 643 812
Thermal	-	1 834	1 834	-	106 561	546 043	654 438
Total - Fort Steele	369 761	1 091 742	1 461 503	932 363	7 695 233	8 810 932	18 900 031
Liard Mining Division							
Bullmoose Operating Corp.							
Metallurgical	-	-	-	-	1 591 728	-	1 591 728
Thermal	-	-	-	-	-	54 604	54 604
Quintette Coal Ltd.							
Metallurgical	-	-	-	-	4 292 694	-	4 292 694
Thermal	-	-	-	-	-	-	-
Total - Liard	-	-	-	-	5 884 422	54 604	5 939 026
Nanaimo Mining Division							
Quinsam Coal Ltd.							
Metallurgical	-	-	-	-	-	-	-
Thermal	25 950	-	25 950	10 868	147 382	-	184 200
TOTALS - 1989							
Metallurgical	89 645	882	90 527	932 363	13 333 845	7 476 997	21 833 732
Per Cent of 1989 totals	23%	0%	6%	99%	97%	84%	87%
Thermal	306 066	1 090 860	1 396 926	10 868	393 192	1 388 539	3 189 525
Per Cent of 1989 totals	77%	100%	94%	1%	3%	16%	13%
GRAND TOTALS - 1989	395 711	1 091 742	1 487 453	943 231	13 727 037	8 865 536	25 023 257

Table 18-A (89)

Destination of Metallurgical Coal
Clean Coal Sold - 1989

	Bullmoose t	Quintette t	Balmer t	Byron Creek t	Fording t	Greenhills t	Line Creek t	Quinsam t
B.C.	-	-	512	47 289	41 844	16 680	-	-
Other Canadian	-	-	882	-	-	-	-	-
- Total Canada	-	-	1 394	47 289	41 844	16 680	-	-
FOREIGN								
Mexico	-	-	-	-	-	-	-	-
U.S.A.	-	-	-	433	683 475	1 736	246 719	-
ASIA								
China	-	-	96 120	-	-	-	-	-
Hong Kong	-	-	-	-	-	-	-	-
Japan	1 591 728	4 292 694	3 069 492	729 824	2 513 998	293 664	842 445	-
Korea	-	-	719 757	-	925 854	1 335 939	91 956	-
Pakistan	-	-	285 851	-	-	-	-	-
Taiwan	-	-	155 433	-	523 082	428 881		-
- Total Asia	1 591 728	4 292 694	4 326 653	729 824	3 962 934	2 058 484	934 401	-
EUROPE								
Denmark	-	-	-	-	-	-	-	-
France	-	-	396 404	-	54 925	101 467	-	-
Germany	-	-	-	-	-	-	-	-
Netherlands	-	-	83 507	-	-	415 730	-	-
Portugal	-	-	-	-	284 253	51 491	-	-
Sweden	-	-	-	-	-	-	-	-
Turkey	-	-	-	-	-	-	-	-
U.K.	-	-	569 188	-	-	-	113 203	-
Other	-	-	-	-	-	-	-	-
-Total Europe	-	-	1 049 099	-	339 178	568 688	113 203	-
SOUTH AMERICA								
Brazil	-	-	681 812	-	161 702	-	-	-
Chile	-	-	60 607	-	131 534	-	-	-
-Total S. America	-	-	742 419	-	293 236	-	-	-
Australia	-	-	63 249	-	-	-	-	-
Total Foreign	1 591 728	4 292 694	6 181 420	730 257	5 278 823	2 628 908	1 294 323	-
Total Sales	1 591 728	4 292 694	6 182 814	777 546	5 320 667	2 645 588	1 294 323	
Other/Adjust.	-	-	(155 534)	-	(60 795)	(1 776)	(53 523)	-
Total Net Sales	1 591 728	4 292 694	6 027 280	777 546	5 259 872	2 643 812	1 240 800	-

Destination of Thermal Coal
Clean Coal Sold - 1989

Table 19-A (89)

	Bullmoose t	Quintette t	Balmer t	Byron Creek t	Fording t	Greenhills t	Line Creek t	Quinsam t
B.C.	-	-	22 532	186 340	22 322	-	48 922	3 476
Other Canadian	-	-	-	649 824	439 202	1 834	-	-
- Total Canada	-	-	22 532	836 164	461 524	1 834	48 922	3 476
FOREIGN								
Mexico	-	-	-	-	-	-	-	-
U.S.A.	-	-	-	-	-	-	-	10 868
ASIA								
China	-	-	-	-	-	-	-	
Hong Kong	-	-	-	-	-	-	-	-
Japan	-	-	139 249	-	-	106 561	-	169 856
Korea	-	-	-	-	60 795	240 629	1 017 064	-
Pakistan	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-
- Total Asia	-	-	139 249	-	60 795	347 190	1 017 064	169 856
EUROPE								
Denmark	-	-	-	-	-	282 385	-	-
France	-	-	72 870	-	-	-	-	-
Germany	54 604	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-
Turkey	-	-	-	-	-	-	-	-
U.K.	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
-Total Europe	54 604	-	72 870	-	-	282 385	-	-
SOUTH AMERICA								
Brazil	-	-	15 545	-	-	34 088	-	-
Chile	-	-	-	-	-	-	-	-
-Total S. America	-	-	15 545	-	-	34 088	-	-
Total Foreign	54 604	-	227 664	-	60 795	663 663	1 017 064	180 724
Total Sales	54 604	-	250 196	836 164	522 319	665 497	1 065 986	184 200
Other/Adjust.	-	-	882	-	-	(11 059)	(379 264)	-
Total Net Sales	54 604	-	251 078	836 164	522 319	654 438	686 722	184 200

Table 20-A (89)

Destination of B.C. Coal (Metallurgical & Thermal)
Clean Coal Sold - 1989

	Bullmoose	Quintette	Balmer	Byron Creek	Fording	Greenhills	Line Creek	Quinsam
	t	t	t	t	t	t	t	t
B.C.	-	-	23 044	233 629	64 166	16 680	48 922	3 476
Other Canadian	-	-	882	649 824	439 202	1 834	-	-
- Total Canada	-	-	23 926	883 453	503 368	18 514	48 922	3 476
FOREIGN								
Mexico	-	-	-	-	-	-	-	-
U.S.A.	-	-	-	433	683 475	1 736	246 719	10 868
ASIA								
China	-	-	96 120	-	-	-	-	-
Hong Kong	-	-	-	-	-	-	-	-
Japan	1 591 728	4 292 694	3 208 741	729 824	2 513 998	400 225	842 445	169 856
Korea	-	-	719 757	-	986 649	1 576 568	1 109 020	-
Pakistan	-	-	285 851	-	-	-	-	-
Taiwan	-	-	155 433	-	523 082	428 881	-	-
- Total Asia	1 591 728	4 292 694	4 465 902	729 824	4 023 729	2 405 674	1 951 465	169 856
EUROPE								
Denmark	-	-	-	-	-	282 385	-	-
France	-	-	469 274	-	54 925	101 467	-	-
Germany	54 604	-	-	-	-	-	-	-
Netherlands	-	-	83 507	-	-	415 730	-	-
Portugal	-	-	-	-	284 253	51 491	-	-
Sweden	-	-	-	-	-	-	-	-
Turkey	-	-	-	-	-	-	-	-
U.K.	-	-	569 188	-	-	-	113 203	-
Other	-	-	-	-	-	-	-	-
-Total Europe	54 604	-	1 121 969	-	339 178	851 073	113 203	-
SOUTH AMERICA								
Brazil	-	-	697 357	-	161 702	34 088	-	-
Chile	-	-	60 607	-	131 534	-	-	-
-Total S. America	-	-	757 964	-	293 236	34 088	-	-
Australia	-	-	63 249	-	-	-	-	-
Total Foreign	1 646 332	4 292 694	6 472 333	730 257	5 339 618	3 292 571	2 311 387	180 724
Total Sales	1 646 332	4 292 694	6 496 259	1 613 710	5 842 986	3 311 085	2 360 309	184 200
Other/Adjust.	-	-	(154 652)	-	(60 795)	(12 835)	(432 787)	-
Total Net Sales	1 646 332	4 292 694	6 278 358	1 613 710	5 782 191	3 298 250	1 927 522	184 200

Table 21-A (89)

Destination of British Columbia Coal by Region - 1989

	NORTHEAST COAL REGION		SOUTHEAST COAL REGION		VANCOUVER ISLAND	TOTAL	
	Metallurgical	Thermal	Metallurgical	Thermal	Thermal	Metallurgical	Thermal
	t	t	t	t	t	t	t
B.C.	-	-	106 325	280 116	3 476	106 325	283 592
Other Canadian	-	-	882	1 090 860	-	882	1 090 860
- Total Canada	-	-	107 207	1 370 976	3 476	107 207	1 374 452
FOREIGN							
Mexico	-	-	-	-	-	-	-
U.S.A.	-	-	932 363	-	10 868	932 363	10 868
ASIA							
China	-	-	96 120	-	-	96 120	-
Hong Kong	-	-	-	-	-	-	-
Japan	5 884 422	-	7 449 423	245 810	169 856	13 333 845	415 666
Korea	-	-	3 073 506	1 318 488	-	3 073 506	1 318 488
Pakistan	-	-	285 851	-	-	285 851	-
Taiwan	-	-	1 107 396	-	-	1 107 396	-
- Total Asia	5 884 422	-	12 012 296	1 564 298	169 856	17 896 718	1 734 154
EUROPE							
Denmark	-	-	-	282 385	-	-	282 385
France	-	-	552 796	72 870	-	552 796	72 870
Germany	-	54 604	-	-	-	-	54 604
Netherlands	-	-	499 237	-	-	499 237	-
Portugal	-	-	335 744	-	-	335 744	-
Sweden	-	-	-	-	-	-	-
Turkey	-	-	-	-	-	-	-
U.K.	-	-	682 391	-	-	682 391	-
Other	-	-	-	-	-	-	-
-Total Europe	-	54 604	2 070 168	355 255	-	2 070 168	409 859
SOUTH AMERICA							
Brazil	-	-	843 514	49 633	-	843 514	49 633
Chile	-	-	192 141	-	-	192 141	-
-Total S. America	-	-	1 035 655	49 633	-	1 035 655	49 633
Australia	-	-	63 249	-	-	63 249	-
Total Foreign	5 884 422	54 604	16 113 731	1 969 186	180 724	21 998 153	2 204 514
Total Sales	5 884 422	54 604	16 220 938	3 340 162	184 200	22 105 360	3 578 966
Other/Adjust.	-	-	(271 628)	(389 441)	-	(271 628)	(389 441)
Total Net Sales	5 884 422	54 604	15 949 310	2 950 721	184 200	21 833 732	3 189 525

Table 16-A (90)

Coal Production By Mine
1990

	RAW COAL PRODUCTION			Clean Coal Production	Coal Used Making Coke and Plant Use
	Surface	Underground	Total		
	t	t	t	t	t
Byron Creek Collieries Ltd.	2 238 641	-	2 238 641		
Metallurgical	-	-	-	493 529	-
Thermal	-	-	-	987 062	-
Crows Nest Resources Ltd. (Line Creek)	2 775 854	-	2 775 854		
Metallurgical	-	-	-	1 520 416	-
Thermal	-	-	-	532 346	-
Fording Coal Ltd.	9 150 384	-	9 150 384		
Metallurgical	-	-	-	6 259 581	-
Thermal	-	-	-	356 024	58 465
Westar Mining Ltd. (Balmer)	9 590 165	-	9 590 165		
Metallurgical	-	-	-	5 108 685	16 112
Thermal	-	-	-	487 029	512
Westar Mining Ltd. (Greenhills)	3 720 116	-	3 720 116		
Metallurgical	-	-	-	2 756 233	-
Thermal	-	-	-	221 057	-
Total - Fort Steele	27 475 160	-	27 475 160	18 721 962	75 089
Liard Mining Division					
Bullmoose Operating Corp.	2 332 533	-	2 332 533		
Metallurgical	-	-	-	1 535 494	-
Thermal	-	-	-	-	-
Quintette Coal Ltd.	9 619 808	-	9 619 808		
Metallurgical	-	-	-	4 668 639	56 047
Thermal	-	-	-	-	-
Total - Liard	11 952 341	-	11 952 341	6 204 133	56 047
Nanaimo Mining Division					
Quinsam Coal Ltd.	253 551	-	253 551		
Metallurgical	-	-	-	-	-
Thermal	-	-	-	253 551	-
TOTALS - 1990	39 681 052	-	39 681 052		
Metallurgical	-	-	-	22 342 577	72 159
Per Cent of 1990 totals	-	-	-	89%	55%
Thermal	-	-	-	2 837 069	58 977
Per Cent of 1990 totals	-	-	-	11%	45%
GRAND TOTALS - 1990	39 681 052	-	39 681 052	25 179 646	131 136

Table 17-A (90)

Coal Sales By Mine
1990

	C A N A D A						
	British Columbia	Other Provinces	Total	United States	Japan	Others	Total Sales
	t	t	t	t	t	t	t
Byron Creek Collieries Ltd.							
Metallurgical	55 469	54	55 523	-	457 105	20 000	532 628
Thermal	251 298	743 038	994 336	842	-	-	995 178
Crows Nest Resources Ltd. (Line Creek)							
Metallurgical	-	35	35	415 059	933 670	40 471	1 389 235
Thermal	49 673	-	49 673	-	-	506 470	556 143
Fording Coal Ltd.							
Metallurgical	228 228	15 852	244 080	502 000	2 147 755	2 825 234	5 719 069
Thermal	-	316 484	316 484	-	-	819	317 303
Westar Mining Ltd. (Balmer)							
Metallurgical	73 088	1 010	74 098	-	2 506 454	2 377 577	4 958 129
Thermal	41 549	114	41 663	134 197	360 570	(27 765)	508 665
Westar Mining Ltd. (Greenhills)							
Metallurgical	63 929	-	63 929	-	268 809	2 165 004	2 497 742
Thermal	156 129	-	156 129	-	40 011	151 929	348 069
Total - Fort Steele	919 363	1 076 587	1 995 950	1 052 098	6 714 374	8 059 739	17 822 161
Liard Mining Division							
Bullmoose Operating Corp.							
Metallurgical	-	-	-	-	1 535 494	-	1 535 494
Thermal	-	-	-	-	-	-	-
Quintette Coal Ltd.							
Metallurgical	-	-	-	-	4 641 092	-	4 641 092
Thermal	-	-	-	-	-	-	-
Total - Liard	-	-	-	-	6 176 586	-	6 176 586
Nanaimo Mining Division							
Quinsam Coal Ltd.							
Metallurgical	-	-	-	-	-	-	-
Thermal	21 592	-	21 592		215 006	-	236 598
TOTALS - 1990							
Metallurgical	420 714	16 951	437 665	917 059	12 490 379	7 428 286	21 273 389
Per Cent of 1990 totals	45%	2%	22%	87%	95%	92%	88%
Thermal	520 241	1 059 636	1 579 877	135 039	615 587	631 453	2 961 956
Per Cent of 1990 totals	55%	98%	78%	13%	5%	8%	12%
GRAND TOTALS - 1990	940 955	1 076 587	2 017 542	1 052 098	13 105 966	8 059 739	24 235 345

Table 18-A (90)

Destination of Metallurgical Coal
Clean Coal Sold - 1990

	Bullmoose	Quintette	Balmer	Byron Creek	Fording	Greenhills	Line Creek	Quinsam
	t	t	t	t	t	t	t	t
B.C.	-	-	73 088	55 469	228 228	63 929	-	-
Other Canadian	-	-	1 010	54	15 852	-	35	-
- Total Canada	-	-	74 098	55 523	244 080	63 929	35	-
FOREIGN								
Mexico	-	-	-	-	-	-	-	-
U.S.A.	-	-	-	-	502 000	-	415 059	-
ASIA								
China	-	-	208 562	-	-	91 400	-	-
Hong Kong	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	128 506	-	-
Japan	1 535 494	4 641 092	2 506 454	457 105	2 147 755	268 809	933 670	-
Korea	-	-	690 241	-	1 225 982	1 156 935	173 146	-
Pakistan	-	-	208 450	-	-	-	-	-
Taiwan	-	-	65 690	-	608 950	384 715		-
- Total Asia	1 535 494	4 641 092	3 679 397	457 105	3 982 687	2 030 365	1 106 816	-
EUROPE								
Denmark	-	-	-	-	-	-	-	-
France	-	-	339 305	-	-	39 597	-	-
Germany	-	-	-	-	-	-	-	-
Netherlands	-	-	87 979	-	-	281 315	-	-
Portugal	-	-	-	-	519 162	-	-	-
Sweden	-	-	-	-	-	-	-	-
Turkey	-	-	-	-	-	50 600	-	-
U.K.	-	-	525 569	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
-Total Europe	-	-	952 853	-	519 162	371 512	-	-
SOUTH AMERICA								
Brazil	-	-	220 153	-	344 722	-	40 411	-
Chile	-	-	95 557	-	127 002	-	-	-
-Total S. America	-	-	315 710	-	471 724	-	40 411	-
Total Foreign	1 535 494	4 641 092	4 947 960	457 105	5 475 573	2 401 877	1 562 286	-
Total Sales	1 535 494	4 641 092	5 022 058	512 628	5 719 653	2 465 806	1 562 321	-
Adjust./Purchases	-	-	(63 929)	20 000	(584)	31 936	(173 086)	-
Total Net Sales	1 535 494	4 641 092	4 958 129	532 628	5 719 069	2 497 742	1 389 235	-

Destination of Thermal Coal
Clean Coal Sold - 1990

Table 19-A (90)

	Bullmoose t	Quintette t	Balmer t	Byron Creek t	Fording t	Greenhills t	Line Creek t	Quinsam t
B.C.	-	-	41 549	251 298	-	156 129	49 673	21 592
Other Canadian	-	-	114	743 038	316 484	-	-	-
- Total Canada	-	-	41 663	994 336	316 484	156 129	49 673	21 592
FOREIGN								
Mexico	-	-	-	-	-	-	-	-
U.S.A.	-	-	134 197	842	-	-	-	-
ASIA								
China	-	-	-	-	-	-	-	
Hong Kong	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-
Japan	-	-	360 570	-	-	40 011	-	215 006
Korea	-	-	-	-	-	177 669	957 457	-
Pakistan	-	-	-	-	-	-	-	-
Taiwan	-	-	-	-	-	-	-	-
- Total Asia	-	-	360 570	-	-	217 680	957 457	215 006
EUROPE								
Denmark	-	-	88 833	-	-	50 931	-	-
France	-	-	18 284	-	-	-	-	-
Germany	-	-	-	-	-	-	-	-
Netherlands	-	-	-	-	-	-	-	-
Portugal	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-
Turkey	-	-	-	-	-	-	-	-
U.K.	-	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
-Total Europe	-	-	107 117	-	-	50 931	-	-
SOUTH AMERICA								
Brazil	-	-	38 311	-	-	15 750	-	-
Chile	-	-	-	-	-	-	-	-
-Total S. America	-	-	38 311	-	-	15 750	-	-
Total Foreign	-	-	640 195	842	-	284 361	957 457	215 006
Total Sales	-	-	681 858	995 178	316 484	440 490	1 007 130	236 598
Adjust./Purchases	-	-	(173 193)	-	819	(92 421)	(450 987)	-
Total Net Sales	-	-	508 665	995 178	317 303	348 069	556 143	236 598

Table 20-A (90)

Destination of B.C. Coal (Metallurgical & Thermal)
Clean Coal Sold - 1990

	Bullmoose	Quintette	Balmer	Byron Creek	Fording	Greenhills	Line Creek	Quinsam
	t	t	t	t	t	t	t	t
B.C.	-	-	114 637	306 767	228 228	220 058	49 673	21 592
Other Canadian	-	-	1 124	743 092	332 336	-	35	-
- Total Canada	-	-	115 761	1 049 859	560 564	220 058	49 708	21 592
FOREIGN								
Mexico	-	-	-	-	-	-	-	-
U.S.A.	-	-	134 197	842	502 000	-	415 059	-
ASIA								
China	-	-	208 562	-	-	91 400	-	-
Hong Kong	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	128 506		
Japan	1 535 494	4 641 092	2 867 024	457 105	2 147 755	308 820	933 670	215 006
Korea	-	-	690 241	-	1 225 982	1 334 604	1 130 603	-
Pakistan	-	-	208 450	-	-	-	-	-
Taiwan	-	-	65 690	-	608 950	384 715	-	-
- Total Asia	1 535 494	4 641 092	4 039 967	457 105	3 982 687	2 248 045	2 064 273	215 006
EUROPE								
Denmark	-	-	88 833	-	-	50 931	-	-
France	-	-	357 589	-	-	39 597	-	-
Germany	-	-	-	-	-	-	-	-
Netherlands	-	-	87 979	-	-	281 315	-	-
Portugal	-	-	-	-	519 162	-	-	-
Sweden	-	-	-	-	-	-	-	-
Turkey	-	-	-	-	-	50 600	-	-
U.K.	-	-	525 569	-	-	-	-	-
Other	-	-	-	-	-	-	-	-
-Total Europe	-	-	1 059 970	-	519 162	422 443	-	-
SOUTH AMERICA								
Brazil	-	-	258 464	-	344 722	15 750	40 411	-
Chile	-	-	95 557	-	127 002	-	-	-
-Total S. America	-	-	354 021	-	471 724	15 750	40 411	-
Total Foreign	1 535 494	4 641 092	5 588 155	457 947	5 475 573	2 686 238	2 519 743	215 006
Total Sales	1 535 494	4 641 092	5 703 916	1 507 806	6 036 137	2 906 296	2 569 451	236 598
Adjust./Purchase	-	-	(237 122)	20 000	235	(60 485)	(624 073)	-
Total Net Sales	1 535 494	4 641 092	5 466 794	1 527 806	6 036 372	2 845 811	1 945 378	236 598

Table 21-A (90)

Destination of British Columbia Coal by Region - 1990

	NORTHEAST COAL REGION		SOUTHEAST COAL REGION		VANCOUVER ISLAND	TOTAL	
	Metallurgical	Thermal	Metallurgical	Thermal	Thermal	Metallurgical	Thermal
	t	t	t	t	t	t	t
B.C.	-	-	420 714	498 649	21 592	420 714	520 241
Other Canadian	-	-	16 951	1 059 636	-	16 951	1 059 636
- Total Canada	-	-	437 665	1 558 285	21 592	437 665	1 579 877
FOREIGN							
Mexico	-	-	-	-	-	-	-
U.S.A.	-	-	917 059	135 039	-	917 059	135 039
ASIA							
China	-	-	299 962	-	-	299 962	-
Hong Kong	-	-	-	-	-	-	-
Iran	-	-	128 506	-	-	128 506	-
Japan	6 176 586	-	6 313 793	400 581	215 006	12 490 379	615 587
Korea	-	-	3 246 304	1 135 126	-	3 246 304	1 135 126
Pakistan	-	-	208 450	-	-	208 450	-
Taiwan	-	-	1 059 355	-	-	1 059 355	-
- Total Asia	6 176 586	-	11 256 370	1 535 707	215 006	17 432 956	1 750 713
EUROPE							
Denmark	-	-	-	139 764	-	-	139 764
France	-	-	378 902	18 284	-	378 902	18 284
Germany	-	-	-	-	-	-	-
Netherlands	-	-	369 294	-	-	369 294	-
Portugal	-	-	519 162	-	-	519 162	-
Sweden	-	-	-	-	-	-	-
Turkey	-	-	50 600	-	-	50 600	-
U.K.	-	-	525 569	-	-	525 569	-
Other	-	-	-	-	-	-	-
-Total Europe	-	-	1 843 527	158 048	-	1 843 527	158 048
SOUTH AMERICA							
Brazil	-	-	605 286	54 061	-	605 286	54 061
Chile	-	-	222 559	-	-	222 559	-
-Total S. America	-	-	827 845	54 061	-	827 845	54 061
Total Foreign	6 176 586	-	14 844 801	1 882 855	215 006	21 021 387	2 097 861
Total Sales	6 176 586	-	15 282 466	3 441 140	236 598	21 459 052	3 677 738
Other / Adjust	-	-	(185 663)	(715 782)	-	(185 663)	(715 782)
Total Net Sales	6 176 586	-	15 096 803	2 725 358	236 598	21 273 389	2 961 956

Table 22-A

Employment at Major Metal and Coal Mines
1970 - 1990

	Metal Mine Underground	Metal Mine Surface	Metal Concentrators	Metal Smelters	Metal Mines Total	Coal Mines Total	Major Metal and Coal Mines Total
1970	2 160	3 167	1 331	3 738	10 396	1 275	11 671
1971	2 073	3 058	1 513	3 481	10 125	1 457	11 582
1972	1 833	3 463	1 734	3 353	10 383	1 985	12 368
1973	1 704	4 005	2 394	3 390	11 493	2 216	13 709
1974	1 509	4 239	2 352	2 767	10 867	2 522	13 389
1975	1 100	3 619	1 983	3 733	10 435	2 763	13 198
1976	1 268	3 733	2 048	3 542	10 591	2 627	13 218
1977	1 208	3 768	2 224	3 590	10 790	2 868	13 658
1978	1 009	3 874	2 029	3 838	10 750	2 983	13 733
1979	898	3 615	2 084	4 273	10 870	3 344	14 214
1980	1 012	4 173	2 463	4 800	12 448	3 612	16 060
1981	1 280	5 292	2 986	4 843	14 401	3 620	18 021
1982	1 318	4 722	2 366	4 177	12 583	4 652	17 235
1983	1 176	3 788	1 846	3 606	10 416	4 249	14 665
1984	851	3 335	1 662	3 360	9 208	5 781	14 989
1985	807	2 743	1 454	3 098	8 102	5 821	13 923
1986	828	2 919	1 681	2 284	7 712	5 210	12 922
1987	722	3 170	1 654	2 834	8 380	5 144	13 524
1988	913	3 463	1 553	3 146	9 075	5 509	14 584
1989	990	3 688	1 672	3 330	9 680	5 641	15 321
1990	711	3 168	1 594	3 250	8 723	5 654	14 377

Table 23-A

Employment in the Coal Industry 1901 – 1990

Year	Coal Underground	Coal Surface	Coal Total
1901	3 041	933	3 974
1902	3 101	910	4 011
1903	3 137	1 127	4 264
1904	3 278	1 175	4 453
1905	3 127	1 280	4 407
1906	3 415	1 390	4 805
1907	2 862	907	3 769
1908	4 432	1 641	6 073
1909	4 713	1 705	6 418
1910	5 903	1 855	7 758
1911	5 212	1 661	6 873
1912	5 275	1 855	7 130
1913	4 950	1 721	6 671
1914	4 267	1 465	5 732
1915	3 708	1 283	4 991
1916	3 694	1 366	5 060
1917	3 760	1 410	5 170
1918	3 658	1 769	5 427
1919	4 145	1 821	5 966
1920	4 191	2 158	6 349
1921	4 722	2 163	6 885
1922	4 712	1 932	6 644
1923	4 342	1 807	6 149
1924	3 894	1 524	5 418
1925	3 828	1 615	5 443
1926	3 757	1 565	5 322
1927	3 646	1 579	5 225
1928	3 814	1 520	5 334
1929	3 675	1 353	5 028
1930	3 389	1 256	4 645
1931	2 957	1 125	4 082
1932	2 628	980	3 608
1933	2 241	853	3 094
1934	2 050	843	2 893
1935	2 145	826	2 971
1936	2 015	799	2 814
1937	2 286	867	3 153
1938	2 088	874	2 962
1939	2 167	809	2 976
1940	2 175	699	2 874
1941	2 229	494	2 723
1942	1 892	468	2 360
1943	2 240	611	2 851
1944	2 150	689	2 839
1945	1 927	503	2 430
1946	1 773	532	2 305
1947	1 694	731	2 425
1948	1 594	872	2 466
1949	1 761	545	2 306
1950	1 745	516	2 261
1951	1 462	463	1 925
1952	1 280	401	1 681
1953	1 154	396	1 550
1954	1 076	358	1 434
1955	1 100	378	1 478
1956	968	398	1 366
1957	1 020	360	1 380
1958	826	260	1 086
1959	765	291	1 056
1960	894	288	1 182
1961	705	237	942
1962	548	228	776
1963	501	247	748
1964	446	267	713
1965	405	244	649
1966	347	267	614
1967	260	197	457
1968	195	358	553
1969	245	455	700
1970	242	1 033	1 275
1971	444	1 013	1 457
1972	214	1 771	1 985
1973	265	1 951	2 216
1974	267	2 255	2 522
1975	299	2 464	2 763
1976	327	2 300	2 627
1977	312	2 556	2 868
1978	377	2 606	2 983
1979	413	2 931	3 344
1980	354	3 258	3 612
1981	343	3 277	3 620
1982	347	4 305	4 652
1983	258	3 991	4 249
1984	218	5 563	5 781
1985	76	5 745	5 821
1986	8	5 202	5 210
1987	—	5 144	5 144
1988	35	5 474	5 509
1989	—	5 641	5 641
1990	20	5 634	5 654

Table 24-A

Employment in Non-Metals Mining
1901 – 1990

Year	Structural Materials	Industrial Materials	Total Non-Metals
1901	—	—	—
1902	—	—	—
1903	—	—	—
1904	—	—	—
1905	—	—	—
1906	—	—	—
1907	—	—	—
1908	—	—	—
1909	—	—	—
1910	—	—	—
1911	—	—	—
1912	—	—	—
1913	—	—	—
1914	—	—	—
1915	—	—	—
1916	—	—	—
1917	—	—	—
1918	—	—	—
1919	—	—	—
1920	—	—	—
1921	—	—	—
1922	—	—	—
1923	—	—	—
1924	—	—	—
1925	—	—	—
1926	817	124	941
1927	785	122	907
1928	780	120	900
1929	1 036	268	1 304
1930	1 187	170	1 357
1931	986	380	1 366
1932	865	344	1 209
1933	645	408	1 053
1934	564	360	924
1935	806	754	1 560
1936	1 219	825	2 044
1937	1 051	938	1 989
1938	1 195	369	1 564
1939	963	561	1 524
1940	1 161	647	1 808
1941	1 179	422	1 601
1942	1 220	262	1 482
1943	999	567	1 566
1944	1 341	628	1 969
1945	1 256	586	1 842
1946	1 382	679	2 061
1947	1 562	869	2 431
1948	2 247	754	3 001
1949	2 662	626	3 288
1950	2 532	660	3 192
1950	2 532	660	3 192
1951	2 411	491	2 902
1952	2 087	529	2 616
1953	2 468	634	3 102
1954	2 499	584	3 083
1955	2 287	722	3 009
1956	2 368	854	3 222
1957	2 330	474	2 804
1958	2 160	446	2 606
1959	1 841	459	2 300
1960	2 261	589	2 850
1961	2 336	571	2 907
1962	2 004	517	2 521
1963	1 369	528	1 897
1964	1 737	509	2 246
1965	1 501	639	2 140
1966	1 662	582	2 244
1967	1 681	584	2 265
1968	1 587	582	2 169
1969	1 646	567	2 213
1970	1 387	627	2 014
1971	1 640	666	2 306
1972	1 916	527	2 443
1973	1 700	667	2 367
1974	1 677	646	2 323
1975	1 551	705	2 256
1976	1 611	670	2 281
1977	2 006	766	2 772
1978	1 194	618	1 812
1979	1 532	726	2 258
1980	1 413	728	2 141
1981	693	678	1 371
1982	573	554	1 127
1983	511	554	1 065
1984	492	437	929
1985	907	410	1 317
1986	983	419	1 402
1987	1 069	411	1 480
1988[1]	1 100	385	1 485
1989[1]	1 200	343	1 543
1990[1]	1 100	395	1 495

[1] *Direct employment for structural materials has been estimated.*

Table 25-A

Employment in the Solid Mineral Industry 1901 – 1990

Year	Total - Mineral Industry
1901	7 922
1902	7 356
1903	7 014
1904	7 759
1905	8 117
1906	8 788
1907	7 712
1908	9 767
1909	9 672
1910	11 467
1911	10 467
1912	10 966
1913	10 949
1914	9 906
1915	9 135
1916	10 453
1917	10 658
1918	9 817
1919	10 225
1920	10 028
1921	9 215
1922	9 393
1923	9 767
1924	9 451
1925	10 581
1926	14 172
1927	14 830
1928	15 424
1929	15 565
1930	14 032
1931	12 171
1932	10 524
1933	11 369
1934	12 985
1935	13 737
1936	14 179
1937	16 129
1938	16 021
1939	15 890
1940	15 705
1941	15 084
1942	13 270
1943	12 448
1944	12 314
1945	11 820
1946	11 933
1947	14 899
1948	16 397
1949	16 621
1950	16 612
1951	17 863
1952	18 257
1953	15 790
1954	14 128
1955	14 102
1956	14 539
1957	13 257
1958	11 201
1959	10 779
1960	11 541
1961	11 034
1962	11 560
1963	10 952
1964	11 645
1965	12 283
1966	14 202
1967	13 380
1968	15 659
1969	16 437
1970	19 086
1971	18 423
1972	19 470
1973	19 922
1974	19 069
1975	18 903
1976	19 095
1977	20 457
1978	19 273
1979	20 668
1980	24 363
1981	26 891
1982	25 450
1983	19 898
1984	21 034
1985	19 863
1986	17 974
1987	21 324
1988	20 568
1989	20 867
1990	19 872

Employment includes direct employment as reported on the Annual Census of Mines at B.C. locations for major metal, coal and industrial mineral mining operations. It also contains estimates for sand and gravel pits and quarries, as well as other employment, including exploration, drilling and trucking directly involved in the mining industry. It does not include estimates for indirect or secondary employment attributable to mining.

Table 26-A (88)

Employment At Major B.C. Mines 1988

	Administrative	Mine Surface	Mine Underground	Mill -	Other -	Total Annual Average	Peak Employment
METAL MINES							
Afton	16	93	—	63	7	179	179
Beaverdell	6	5	17	8	—	36	36
Bell	45	143	—	59	—	247	247
Blackdome	10	59	53	18	—	140	140
Brenda	102	200	—	130	—	432	432
Endako	44	37	—	103	—	184	184
Equity Silver	24	87	—	118	—	229	229
Erickson	10	18	44	8	11	91	91
Gibraltar	71	29	—	75	2	177	177
Highland Valley Copper	133	665	—	393	176	1 367	1 367
Island Copper	102	296	—	153	—	551	551
Johnny Mountain	10	53	26	16	—	105	105
Lawyers	7	26	14	4	8	59	110
Myra Falls Operations	142	154	308	62	—	666	666
Nickel Plate	14	112	—	68	—	194	194
Silvana	5	7	23	12	—	47	47
Similco	68	183	—	95	—	346	346
Skylark OB	9	5	11	4	6	35	35
Sullivan	61	111	414	159	88	833	833
Taurus	3	—	3	5	—	11	25
Total Metal Mines	882	2 283	913	1 553	298	5 929	5 994
Average Metal Mines	44	114	46	78	15	297	300
INDUSTRIAL MINERALS							
Cassiar - (Asbestos)	84	53	—	164	—	301	301

Peak Employment is calculated by totalling the number of people employed at the end of each month divided by the number of months the mine was in operation. This number gives the best measure of the normal operational workforce in a given year. Total Annual Average is the total number of people employed divided by 12 months. This figure is comparable to previously published annual statistics of direct employment, and is used to calculate the total employment figure for each industry.

Table 26-A (89)

Employment At Major B.C. Mines 1989

	Administrative	Mine Surface	Mine Underground	Mill -	Other -	Total Annual Average	Peak Employment
METAL MINES							
Afton	17	133	—	61	—	211	211
Beaverdell	6	5	17	8	—	36	36
Bell	48	204	—	83	—	335	335
Blackdome	34	—	53	19	30	136	136
Brenda	102	190	—	120	—	412	412
Endako	40	—	53	121	—	214	214
Equity Silver	26	61	—	107	—	194	194
Gibraltar	63	118	—	103	7	291	291
Golden Bear	2	2	6	5	1	16	91
Highland Valley Copper	128	643	—	409	177	1 357	1 357
Island Copper	123	269	—	141	—	533	533
Johnny Mountain	7	39	31	14	—	91	91
Lawyers	24	35	57	31	—	147	147
Myra Falls Operations	139	172	326	61	—	698	698
Nickel Plate	12	108	—	60	—	180	180
Premier Gold Project	17	97	—	41	—	155	155
Samatosum	12	6	—	35	—	53	53
Shasta	1	1	2	4	—	8	28
Silvana	5	10	20	12	—	47	47
Similco	71	176	—	98	—	345	345
Skylark OB	1	1	1	1	—	4	30
Sullivan	205	120	424	138	—	887	887
Total Metal Mines	1 083	2 390	990	1 672	215	6 350	6 471
Average Metal Mines	49	109	45	76	10	289	294
INDUSTRIAL MINERALS							
Cassiar - (Asbestos)	79	40	—	165	—	284	284

Peak Employment is calculated by totalling the number of people employed at the end of each month divided by the number of months the mine was in operation. This number gives the best measure of the normal operational workforce in a given year. Total Annual Average is the total number of people employed divided by 12 months. This figure is comparable to previously published annual statistics of direct employment, and is used to calculate the total employment figure for each industry.

Table 26-A (90)

Employment At Major B.C. Mines 1990

	Administrative	Mine Surface	Mine Underground	Mill -	Other -	Total Annual Average	Peak Employment
METAL MINES							
Afton	17	114	—	74	—	205	205
Beaverdell	6	5	14	8	—	33	33
Bell	54	107	—	140	—	301	301
Blackdome	20	—	42	18	22	102	102
Brenda	40	99	—	49	—	188	340
Endako	40	—	60	121	—	221	221
Equity Silver	27	55	—	108	—	190	190
Gibraltar	46	102	—	151	—	299	299
Golden Bear	12	23	42	35	2	114	114
Highland Valley Copper	110	596	—	347	166	1 219	1 219
Island Copper	120	293	—	142	—	555	555
Johnny Mountain	5	14	22	11	—	52	80
Lawyers	13	56	67	30	—	166	166
Myra Falls Operations	119	163	276	57	—	615	615
Nickel Plate	11	106	—	55	—	172	172
Premier Gold Project	16	98	—	31	41	186	186
Samatosum	12	6	—	37	—	55	55
Shasta	2	3	7	10	—	22	22
Silvana	9	3	19	8	—	39	39
Similco	68	170	—	88	—	326	326
Sullivan	150	27	162	74	—	413	640
Total Metal Mines	897	2 040	711	1 594	231	5 473	5 880
Average Metal Mines	43	97	34	76	11	261	280
INDUSTRIAL MINERALS							
Cassiar - (Asbestos)	55	53	—	60	154	322	322

Peak Employment is calculated by totalling the number of people employed at the end of each month divided by the number of months the mine was in operation. This number gives the best measure of the normal operational workforce in a given year. Total Annual Average is the total number of people employed divided by 12 months. This figure is comparable to previously published annual statistics of direct employment, and is used to calculate the total employment figure for each industry.

Table 27-A (88)

Employment At Major B.C. Coal Mines 1988

	Administrative	Mine Surface	Mine Underground	Mill -	Other -	Total Annual Average	Peak Employment
Balmer	182	853	—	162	—	1 197	1 197
Bullmoose	85	229	—	47	—	361	361
Byron Creek	51	54	35	34	—	174	190
Fording	214	707	—	116	—	1 037	1 037
Greenhills	51	457	—	78	—	586	586
Line Creek	101	296	—	50	13	460	460
Quintette	177	1 270	—	220	—	1 667	1 667
Quinsam	6	21	—	—	—	27	27
Total Coal Mines	867	3 887	35	707	13	5 509	5 525
Average Coal Mines	108	485	4	88	2	688	690

Peak Employment is calculated by totalling the number of people employed at the end of each month divided by the number of months the mine was in operation. This number gives the best measure of the normal operational workforce in a given year. Total Annual Average is the total number of people employed divided by 12 months. This figure is comparable to previously published annual statistics of direct employment, and is used to calculate the total employment figure for each industry.

Table 27-A (89)

Employment At Major B.C. Coal Mines 1989

	Administrative	Mine Surface	Mine Underground	Mill -	Others -	Total Annual Average	Peak Employment
Balmer	161	938	—	172	—	1 271	1 271
Bullmoose	42	238	—	57	—	337	337
Byron Creek	55	161	—	52	7	275	275
Fording	105	747	—	136	70	1 058	1 058
Greenhills	50	500	—	77	—	627	627
Line Creek	99	280	—	83	—	462	462
Quintette	173	1 175	—	216	—	1 564	1 564
Quinsam	9	38	—	—	—	47	47
Total Coal Mines	**694**	**4 077**	**—**	**793**	**77**	**5 641**	**5 641**
Average Coal Mines	**86**	**509**	**—**	**99**	**9**	**705**	**705**

Peak Employment is calculated by totalling the number of people employed at the end of each month divided by the number of months the mine was in operation. This number gives the best measure of the normal operational workforce in a given year.Total Annual Average is the total number of people employed divided by 12 months. This figure is comparable to previously published annual statistics of direct employment, and is used to calculate the total employment figure for each industry.

Table 27-A (90)

Employment At Major B.C. Coal Mines 1990

	Administrative	Mine Surface	Mine Underground	Mill -	Others -	Total Annual Average	Peak Employment
Balmer	176	982	—	188	—	1 346	1 346
Bullmoose	44	253	—	55	—	352	352
Byron Creek	28	201	—	79	5	313	313
Fording	76	697	—	127	122	1 022	1 022
Greenhills	65	482	—	78	—	625	625
Line Creek	98	285	—	73	5	461	461
Quintette	141	1 136	—	185	—	1 462	1 462
Quinsam	5	48	20	—	—	73	73
Total Coal Mines	**633**	**4 084**	**20**	**785**	**132**	**5 654**	**5 654**
Average Coal Mines	**79**	**510**	**2**	**98**	**16**	**706**	**706**

Peak Employment is calculated by totalling the number of people employed at the end of each month divided by the number of months the mine was in operation. This number gives the best measure of the normal operational workforce in a given year.Total Annual Average is the total number of people employed divided by 12 months. This figure is comparable to previously published annual statistics of direct employment , and is used to calculate the total employment figure for each industry.

Table 28-A (88)

Operating Statistics - Major B.C. Metal Mines 1988

	Tonnes Mined	Tonnes Milled	Reported Rated Capacity Tonnes Per Day	Days Operating Mine	Days Operating Mill
Metal Mines					
Afton	3 309 026	3 094 452	7 711	365	365
Beaverdell	37 265	37 265	91	252	353
Bell	5 482 693	5 367 308	14 665	365	365
Blackdome	79 396	79 396	185	365	365
Brenda	9 309 000	11 286 146	30 000	365	365
Endako	7 481 300	7 549 200	27 500	362	363
Equity Silver	3 937 196	3 228 212	8 820	365	365
Erickson	74 150	69 174	272	365	263
Gibraltar	5 488 379	5 473 121	36 300	245	162
Highland Valley Copper	44 039 200	44 109 498	120 000	365	365
Island Copper	17 227 344	16 703 942	48 534	364	365
Johnny Mountain	13 628	24 250	200	60	60
Myra Falls Operations	1 247 575	1 255 124	4 000	251	356
Nickel Plate	970 836	879 645	2 700	365*	365
Silvana	27 871	27 790	113	245	244
Similco	7 278 145	7 189 690	19 051	356	365
Skylark OB	21 056	21 590	272	251	210
Sullivan	2 038 144	2 038 163	9 100	252	326
Taurus	2 165	3 232	150	120	120
Total Metal Mines	108 064 369	108 437 198	329 664	5 678	5 742
Average Metal Mines	5 687 598	5 707 220	17 350	298	302

**Underground mine operated 165 days.*

Table 28-A (89)

Operating Statistics - Major B.C. Metal Mines 1989

	Tonnes Mined	Tonnes Milled	Reported Rated Capacity Tonnes Per Day	Days Operating Mine	Days Operating Mill
Metal Mines					
Afton	2 919 005	2 547 553	7 111	365	365
Beaverdell	36 550	36 550	91	250	361
Bell	6 119 763	5 535 766	14 665	365	365
Blackdome	75 937	73 778	220	365	365
Brenda	11 748 100	11 562 626	30 000	365	365
Endako	10 095 000	9 264 300	27 500	362	363
Equity Silver	3 320 300	3 114 000	8 532	355	365
Gibraltar	11 677 932	11 980 574	36 300	365	365
Golden Bear	42 000	1 620	360	61	61
Highland Valley Copper	32 589 813	32 323 729	124 800	259	259
Island Copper	17 680 620	17 528 511	48 534	364	365
Johnny Mountain	85 944	94 282	315	347	338
Lawyers	190 396	151 603	500	351	358
Myra Falls Operations	1 239 673	1 229 262	4 000	249	357
Nickel Plate	925 168	1 065 026	2 900	355*	365
Premier Gold Project	511 180	382 132	2 000	259	270
Samatosum	28 212	78 732	422	124	183
Shasta	13 099	13 099	141	45	65
Silvana	26 581	25 190	120	246	286
Similco	8 060 890	7 508 777	22 680	355	365
Skylark OB	12 242	11 680	272	106	106
Sullivan	1 822 861	1 653 573	7 330	251	267
Total Metal Mines	109 221 266	106 182 363	338 793	6 164	6 559
Average Metal Mines	4 964 063	4 826 471	15 401	280	298

* *Underground mine operated 120 days.*

Table 28-A (90)

Operating Statistics - Major B.C. Metal Mines 1990

	Tonnes Mined	Tonnes Milled	Reported Rated Capacity Tonnes Per Day	Days Operating Mine	Days Operating Mill
Metal Mines					
Afton	4 018 828	2 843 475	8 500	365	365
Beaverdell	36 225	36 225	91	250	361
Bell	4 878 601	5 422 912	14 665	365	365
Blackdome	61 666	72 906	220	304	365
Brenda	2 728 451	4 281 870	30 000	154	154
Endako	10 903 500	9 702 900	27 500	362	361
Equity Silver	3 612 900	3 145 900	9 000	355	365
Gibraltar	12 233 854	11 701 957	36 287	365	365
Golden Bear	96 453	68 270	360	365	365
Highland Valley Copper	46 371 798	46 263 361	133 000	365	365
Island Copper	17 150 041	18 361 577	50 000	361	364
Johnny Mountain	74 936	86 865	363	227	241
Lawyers	162 791	184 248	500	365	353
Myra Falls Operations	1 156 519	1 171 337	4 000	250	361
Nickel Plate	1 262 348	1 141 255	2 900	355	365
Premier Gold Project	638 738	735 598	2 000	275	359
Samatosum	174 738	169 152	422	238	365
Shasta	57 937	57 937	182	305	365
Silvana	32 381	32 321	115	244	336
Similco	7 062 870	6 750 340	22 680	356	365
Sullivan*	440 480	399 596	7 330	105	63
Total Metal Mines	113 156 055	112 147 038	350 115	6 331	6 603
Average Metal Mines	5 388 384	5 340 355	16 672	301	314

* *Sullivan operated only 6 months in 1990.*

Table 29-A (88)

Major Active Metal Mines 1988

MINE NAME	PREVIOUS OR OTHER NAME	LOCATION	OPERATOR
Afton		Kamloops	Afton Mines Ltd.
Beaverdell	Highland Bell	Beaverdell	Teck Corp.
Bell	Newman	Babine Lake	Noranda Minerals Inc.
Blackdome		Clinton	Blackdome Mining Corp.
Brenda		Brenda Lake	Brenda Mines Ltd.
Endako		Endako	Placer Dome Inc.
Equity Silver	Sam Goosly	Houston	Equity Silver Mines Ltd.
Erickson		McDame Lake	Erickson Gold Mines Ltd.
Gibraltar		McLeese Lake	Gibraltar Mines Ltd.
Highland Valley Copper	Bethlehem, Lornex, Valley Copper	Highland Valley	Highland Valley Copper
Island Copper		Rupert Inlet	BHP-Utah Mines Ltd.
Johnny Mountain		Iskut River	Skyline Gold Corp.
Lawyers		Toodoggone River area	Cheni Gold Mines Inc.
Myra Falls Operations	Lynx, Myra	Buttle Lake	Westmin Resources Ltd.
Nickel Plate		Penticton	Corona Corp./ Mascot Gold Mines Ltd.
Silvana	Silmonac, Minniehaha	New Denver	Dickenson Mines Ltd./ Treminco Resources Ltd.
Similco	Similkameen	Princeton	Similco Mines Ltd.
Skylark OB		Osoyoos	Skylark Resources Ltd.
Sullivan		Kimberley	Cominco Ltd.
Taurus		Cassiar	Taurus Resources Ltd.

The names of mining operations may change in the period before publication. Names are as of the year reported.

Major Active Metal Mines 1989

MINE NAME	PREVIOUS OR OTHER NAME	LOCATION	OPERATOR
Afton		Kamloops	Afton Mines Ltd.
Beaverdell	Highland Bell	Beaverdell	Teck Corp.
Bell	Newman	Babine Lake	Noranda Minerals Inc.
Blackdome		Clinton	Blackdome Mining Corp.
Brenda		Brenda Lake	Brenda Mines Ltd.
Endako		Endako	Placer Development Ltd.
Equity Silver	Sam Goosly	Houston	Equity Silver Mines Ltd.
Gibraltar		McLeese Lake	Gibraltar Mines Ltd.
Golden Bear		Bearskin Lake	Golden Bear Operating Co. Ltd.
Highland Valley Copper	Bethlehem, Lornex, Valley Copper	Highland Valley	Highland Valley Copper
Island Copper		Rupert Inlet	BHP - Utah Mines Ltd.
Johnny Mountain		Stewart	Skyline Gold Corp.
Lawyers		Toodoggone	Cheni Gold Mines Inc.
Myra Falls Operations	Lynx, Myra	Buttle Lake	Westmin Resources Ltd.
Nickel Plate	Johnny Mountain	Penticton	Corona Corp.
Premier Gold Project		Stewart	Westmin Resouces Ltd.
Samatosum		Barriere	Minnova Inc.
Shasta		Toodoggone	International Shasta Resources Inc.
Silvana	Silmonac, Minniehaha	New Denver	Treminco Resources Ltd.
Similco	Ingerbelle, Similkameen	Princeton	Princeton Mining Corp.
Skylark OB		Osoyoos	Skylark Resources Ltd.
Sullivan		Kimberley	Cominco Ltd.

The names of mining operations may change in the period before publication. Names are as of the year reported.

Table 29-A (90)

Major Active Metal Mines 1990

MINE NAME	PREVIOUS OR OTHER NAME	LOCATION	OPERATOR
Afton		Kamloops	Afton Mines Ltd.
Beaverdell	Highland Bell	Beaverdell	Teck Corp.
Bell	Newman	Babine Lake	Noranda Minerals Inc.
Blackdome		Clinton	Blackdome Mining Corp.
Brenda		Brenda Lake	Brenda Mines Ltd.
Endako		Endako	Placer Development Ltd.
Equity Silver	Sam Goosly	Houston	Equity Silver Mines Ltd.
Gibraltar		McLeese Lake	Gibraltar Mines Ltd.
Golden Bear		Bearskin Lake	Golden Bear Operating Co. Ltd.
Highland Valley Copper	Bethlehem, Lornex, Valley Copper	Highland Valley	Highland Valley Copper
Island Copper		Rupert Inlet	BHP - Utah Mines Ltd.
Johnny Mountain		Stewart	Skyline Gold Corp.
Lawyers		Toodoggone	Cheni Gold Mines Inc.
Myra Falls Operations	Lynx, Myra	Buttle Lake	Westmin Resources Ltd.
Nickel Plate	Johnny Mountain	Penticton	Corona Corp.
Premier Gold Project		Stewart	Westmin Resouces Ltd.
Samatosum		Barriere	Minnova Inc.
Shasta		Toodoggone	International Shasta Resources Inc.
Silvana	Silmonac, Minniehaha	New Denver	Treminco Resources Ltd.
Similco	Ingerbelle, Similkameen	Princeton	Princeton Mining Corp.
Sullivan		Kimberley	Cominco Ltd.

The names of mining operations may change in the period before publication. Names are as of the year reported.

Table 30-A

Principal Items of Expenditures for Major Metal and Coal Mines in B.C. 1980 - 1990

Metal Mines	Salaries and Wages	Fuel and Electricity	Process Supplies
1980	192 412 691	63 205 414	222 974 902
1981	281 251 126	105 951 083	307 931 017
1982	274 531 182	120 040 918	283 257 421
1983	239 802 535	117 072 654	233 424 890
1984	220 874 810	112 871 988	195 700 953
1985	195 735 078	104 254 402	183 307 038
1986	202 435 041	89 505 903	195 806 900
1987	202 552 588	104 484 062	245 016 600
1988	258 697 353	115 418 288	279 458 666
1989	292 592 567	113 626 153	327 617 716
1990	265 190 812	118 461 154	317 020 062

Coal Mines	Salaries and Wages	Fuel and Electricity	Process Supplies
1980	85 368 642	21 881 433	21 596 659
1981	106 304 659	34 390 886	26 056 644
1982	163 760 206	50 557 810	56 520 943
1983	142 879 313	49 471 042	66 188 000
1984	241 449 549	67 085 051	83 106 337
1985	253 603 089	91 662 482	198 362 894
1986	237 163 565	71 716 600	174 785 485
1987	255 112 532	66 875 648	173 395 316
1988	256 989 236	69 284 138	181 217 002
1989	288 610 000	72 408 861	226 830 499
1990	307 492 000	73 296 032	239 336 000

Table 31-A (88)

Destination of Metals in British Columbia Ores and Concentrates 1988

	GOLD		SILVER		COPPER	
	g	$	g	$	kg	$
Canada						
Base Metals	5 799 875	98 123 072	126 129 904	31 804 645	23 662 582	69 989 566
Placer	808 653	14 515 321	162 000	43 740	—	—
Total	6 608 528	112 638 393	126 291 904	31 848 385	23 662 582	69 989 566
Foreign						
Australia	—	—	—	—	—	—
Belgium	—	—	—	—	—	—
Brazil	30 015	494 257	7 471 055	1 994 858	22 665 212	73 278 274
Chile	—	—	—	—	—	—
China	21 337	357 355	6 104 368	1 599 223	17 830 910	59 394 278
Europe	—	—	—	—	—	—
Germany	183 446	3 104 205	2 538 451	661 024	7 311 535	23 115 492
Japan	4 873 246	94 048 454	263 094 748	69 205 526	231 409 013	732 908 794
Korea	162 396	2 762 952	2 397 396	623 064	5 402 026	20 172 478
Netherlands	—	—	—	—	—	—
Philippines	9 176	207 764	1 343 173	380 667	3 707 075	10 427 159
Spain	185 596	3 194 300	10 412 948	2 575 737	25 933 830	79 618 775
Sweden	5 474	79 937	791 272	185 913	2 274 507	7 758 021
Switzerland	—	—	—	—	—	—
Taiwan	180 867	3 243 871	2 213 852	634 559	13 256 056	43 739 480
U.K.	—	—	—	—	—	—
U.S.A.	472 151	8 154 838	622	168	19 858	69 896
Total Foreign	6 123 704	115 647 933	296 367 885	77 860 739	329 810 022	1 050 482 647
Other/Adjustments	40 408	952 531	781 000	2 830 175	9 021	(3 440 872)
Total Shipments	**12 772 640**	**229 238 857**	**423 440 789**	**112 539 299**	**353 481 625**	**1 117 031 341**

Table 32-A (88)

Destination of Metals in British Columbia Ores and Concentrates 1988

	LEAD		ZINC		MOLYBDENUM	
	kg	$	kg	$	kg	$
Canada	96 924 208	68 438 017	86 081 351	123 834 430	1 601 030	17 247 263
Foreign						
Australia	—	—	—	—	16 324	286 779
Belgium	—	—	—	—	325 768	2 655 222
Brazil	—	—	—	—	—	—
Chile	—	—	—	—	583 972	4 697 812
China	—	—	—	—	—	—
Europe	—	—	—	—	4 377 903	36 247 344
Germany	—	—	—	—	843 717	7 403 030
Japan	—	—	31 310 000	54 397 602	3 871 296	36 629 801
Korea	—	—	3 747 000	6 286 159	—	—
Netherlands	—	—	—	—	422 596	4 397 160
Philippines	—	—	—	—	—	—
Spain	—	—	—	—	—	—
Sweden	—	—	—	—	55 528	547 557
Switzerland	—	—	—	—	155 869	1 299 195
Taiwan	—	—	—	—	—	—
U.K.	—	—	—	—	246 319	1 994 872
U.S.A.	—	—	—	—	505 874	5 568 161
Total Foreign	—	—	35 057 000	60 683 761	11 405 166	101 726 933
Other/Adjust.	8 372 000	5 911 455	18 239 000	27 781 683	(81 998)	(2 968 746)
Total Shipments	**105 296 208**	**74 349 472**	**139 377 351**	**212 299 874**	**12 924 198**	**116 005 450**

Table 33-A (88)

Destination of Metals in British Columbia Ores and Concentrates 1988

	CADMIUM		IRON		TIN	
	kg	$	t	$	kg	$
Canada	285 753	5 451 500	58 834	2 176 471	40 207	361 019
Foreign						
Australia	—	—	—	—	—	—
Belgium	—	—	—	—	—	—
Chile	—	—	—	—	—	—
China	—	—	—	—	—	—
Europe	—	—	—	—	—	—
Germany	—	—	—	—	—	—
Japan	—	—	—	—	—	—
Korea	—	—	—	—	—	—
Netherlands	—	—	—	—	—	
Philippines	—	—	—	—	—	—
Spain	—	—	—	—	—	—
Sweden	—	—	—	—	—	—
Switzerland	—	—	—	—	—	—
Taiwan	—	—	—	—	—	—
U.K.	—	—	—	—	—	—
U.S.A.	—	—	714	26 739	—	—
Total Foreign	—	—	—	—	—	—
Adjustment	—	—	—	—	—	—
Other/Adjustments	—	—	—	—	—	—
Total Shipments	285 753	5 451 500	59 548	2 203 210	40 207	361 019

Table 34-A (88)

Destination of Metals in British Columbia Ores and Concentrates 1988

COUNTRY	TOTAL VALUE $
Canadian Shipments	
Base Metals	407 576 503
Placer	14 559 061
Total	422 135 564
Foreign Shipments	
Australia	286 779
Belgium	2 655 222
Brazil	75 767 389
Chile	4 697 983
China	61 350 856
England	1 994 872
Europe	36 247 344
Germany	34 461 453
Foreign Shipments (Cont'd)	
Japan	987 190 177
Korea	29 844 653
Netherlands	4 397 160
Philippines	11 015 590
Spain	85 388 812
Sweden	8 571 428
Switzerland	1 299 195
Taiwan	47 617 910
U.S.A	15 226 070
Total Foreign	1 408 012 893
Other/Adjustments	31 066 226
Total Shipments	1 875 773 744

Table 31-A (89)

Destination of Metals in British Columbia Ores and Concentrates 1989

	GOLD		SILVER		COPPER	
	g	$	g	$	kg	$
Canada						
Base Metals	5 288 011	84 058 545	98 515 035	20 521 384	2 942 848	9 832 779
Placer	1 065 774	15 475 038	216 378	45 295	—	—
Total	6 353 785	99 533 583	98 731 413	20 566 679	2 942 848	9 832 779
Foreign						
Australia	—	—	—	—	—	—
Belgium	35 177	500 616	23 906 543	4 662 852	308 361	902 889
Chile	—	—	—	—	—	—
Europe	—	—	—	—	—	—
Germany	—	—	—	—	—	—
Japan	6 832 428	102 712 039	308 194 781	66 485 386	245 093 317	804 410 268
Korea	121 424	1 983 246	6 691 884	1 457 673	19 532 390	66 009 635
Philippines	22 954	353 262	3 272 490	687 223	8 973 392	30 201 089
Spain	232 863	3 536 907	8 310 966	1 807 697	16 990 388	55 218 209
Switzerland	—	—	—	—	—	—
Taiwan	87 992	1 369 189	1 232 445	305 591	6 911 469	26 885 963
U.K.	—	—	—	—	—	—
U.S.A.	1 799 390	26 460 198	43 503 921	9 469 480	2 447 553	9 067 851
Total Foreign	9 132 228	136 915 457	395 113 030	84 875 902	300 256 870	992 695 904
Other/Adjustments	—	—	—	—	—	—
Total Shipments	**15 486 013**	**236 449 040**	**493 844 443**	**105 442 581**	**303 199 718**	**1 002 528 683**

Table 32-A (89)

Destination of Metals in British Columbia Ores and Concentrates 1989

	LEAD		ZINC		MOLYBDENUM	
	kg	$	kg	$	kg	$
Canada	67 415 059	45 466 756	95 132 624	187 168 400	1 842 436	18 572 717
Foreign						
Australia	—	—	—	—	20 210	341 775
Belgium	304 345	255 440	—	—	393 710	3 407 333
Chile	—	—	—	—	1 146 909	8 917 438
Europe	—	—	—	—	4 216 361	33 066 177
Germany	—	—	—	—	963 362	7 788 756
Japan	—	—	21 674 000	46 289 230	3 949 114	35 647 470
Korea	—	—	3 690 000	7 553 495	—	—
Philippines	—	—	—	—	—	—
Spain	—	—	—	—	—	—
Switzerland	—	—	—	—	42 828	217 017
Taiwan	—	—	—	—	—	—
U.K.	—	—	—	—	198 511	1 637 903
U.S.A.	649 940	544 770	—	—	963 851	8 244 860
Total Foreign	954 285	800 210	25 364 000	53 842 725	11 652 521	93 701 398
Other/Adjustments	—	—	—	—	(279 387)	(5 949 946)
Total Shipments	68 369 344	46 266 966	120 496 624	241 011 125	13 494 957	112 274 115

Table 33-A (89)

Destination of Metals in British Columbia Ores and Concentrates 1989

	CADMIUM		IRON		TIN	
	kg	$	t	$	kg	$
Canada	**320 264**	**3 739 154**	**70 850**	**2 736 176**	**24 700**	**256 139**
Foreign						
Australia	—	—	—	—	—	—
Belgium	—	—	—	—	—	—
Chile	—	—	—	—	—	—
Europe	—	—	—	—	—	—
Germany	—	—	—	—	—	—
Japan	6 000	1 222 856	—	—	—	—
Korea	1 000	400 211	—	—	—	—
Philippines	—	—	—	—	—	—
Spain	—	—	—	—	—	—
Sweden	—	—	—	—	—	—
Switzerland	—	—	—	—	—	—
Taiwan	—	—	—	—	—	—
U.K.	—	—	—	—	—	—
U.S.A.	—	—	2 294	125 344	—	—
Europe	—	—	—	—	—	—
Total Foreign	7 000	1 623 067	2 294	125 344	—	—
Other/Adjustments	—	—	—	—	—	—
Total Shipments	**327 264**	**5 362 221**	**73 144**	**2 861 520**	**24 700**	**256 139**

Table 34-A (89)

Destination of Metals in British Columbia Ore and Concentrates 1989

	TOTAL VALUE $
Canadian Shipments	
Base Metals	375 766 442
Placer	15 520 333
Total	391 286 775
Foreign Shipments	
Australia	341 775
Belgium	9 826 750
Chile	8 917 438
Europe	33 066 177
Germany	8 071 910
Japan	1 056 767 249
Korea	77 404 260

COUNTRY	TOTAL VALUE $
Foreign Shipments (Cont'd)	
Netherlands	382 615
Philippines	31 241 574
Spain	60 562 813
Switzerland	217 017
Taiwan	28 560 743
U.K.	1 637 903
U.S.A.	55 080 653
Other/Adjustments	(5 959 946)
Total Foreign	1 366 128 931
Total Shipments	1 757 415 706

Table 31-A (90)

Destination of Metals in British Columbia Ores and Concentrates 1990

	GOLD		SILVER		COPPER	
	g	$	g	$	kg	$
Canada						
Base Metals	5 685 760	88 643 391	68 390 859	12 057 730	6 561 546	10 137 658
Placer	660 179	9 955 499	132 000	23 760	—	—
Total Canada	6 345 939	98 598 890	68 522 859	12 081 490	6 561 546	10 137 658
Foreign						
Australia	—	—	—	—	—	—
Belgium	142 292	1 994 080	94 450 000	16 672 184	998 074	2 993 636
Brazil	15 863	228 265	3 421 382	615 849	8 952 553	27 126 234
Chile	—	—	—	—	—	—
Europe	—	—	—	—	—	—
Germany	1 637 700	24 675 000	36 120 200	5 636 000	—	—
Japan	7 506 099	110 388 517	380 186 247	71 574 210	247 269 182	759 274 655
Korea	225 787	3 491 942	10 152 986	1 890 551	22 339 036	66 958 778
Philippines	38 879	559 474	6 087 891	788 410	12 936 248	38 900 912
Spain	73 722	1 111 991	8 948 708	1 638 098	23 782 175	71 539 938
Sweden	—	—	995 311	179 156	2 484 325	7 527 506
Switzerland	—	—	—	—	—	—
Taiwan	3 110	45 339	(77 821)	(17 477)	(2 705)	555 949
U.S.A.	45 719	647 038	22 275 995	4 068 062	—	—
Total Foreign	9 689 171	143 141 646	562 560 899	103 045 043	318 758 888	974 877 608
Other/Adjustments	—	—	—	—	—	—
Total Shipments	**16 035 110**	**241 740 536**	**631 083 758**	**115 126 533**	**325 320 434**	**985 015 266**

Table 32-A (90)

Destination of Metals in British Columbia Ores and Concentrates 1990

	LEAD		ZINC		MOLYBDENUM	
	kg	$	kg	$	kg	$
Canada	17 935 874	14 435 051	36 146 291	61 606 778	2 085 793	16 558 398
Foreign						
Australia	—	—	—	—	11 620	192 681
Belgium	538 396	493 371	—	—	90 367	604 334
Chile	—	—	—	—	748 478	4 210 794
Europe	—	—	—	—	2 204 133	14 211 847
Germany	—	—	—	—	853 576	6 555 741
Japan	—	—	18 147 000	36 252 413	4 758 335	35 417 594
Korea	—	—	3 143 000	5 564 449	—	—
Philippines	—	—	—	—	—	—
Spain	—	—	—	—	—	—
Sweden	—	—	—	—	846 332	4 813 435
Switzerland	—	—	—	—	100 885	642 175
Taiwan	—	—	—	—	—	—
U.S.A.	1 082 161	1 026 348	—	—	662 563	6 300 963
Total Foreign	1 620 557	1 519 719	21 290 000	41 816 862	10 198 796	71 767 898
Other/Adjustments	—	—	—	—	(77 493)	(1 181 666)
Total Shipments	19 556 431	15 954 770	57 436 291	103 423 640	12 284 589	88 326 296

Table 33-A (90)

Destination of Metals in British Columbia Ores and Concentrates 1990

	CADMIUM		IRON		TIN	
	kg	$	t	$	kg	$
Canada	164 007	532 412	99 141	3 610 008	7 436	55 034
Foreign						
Australia	—	—	—	—	—	—
Belgium	—	—	—	—	—	—
Chile	—	—	—	—	—	—
Europe	—	—	—	—	—	—
Germany	—	—	—	—	—	—
Japan	11 000	891 311	—	—	—	—
Korea	1 000	105 602	—	—	—	—
Philippines	—	—	—	—	—	—
Spain	—	—	—	—	—	—
Sweden	—	—	—	—	—	—
Switzerland	—	—	—	—	—	—
Taiwan	—	—	—	—	—	—
U.K.	—	—	—	—	—	—
U.S.A.	—	—	1 316	65 866	—	—
Total Foreign	12 000	996 913	1 316	65 866	—	—
Other/Adjustments	—	—	—	—	—	—
Total Shipments	**176 007**	**1 529 325**	**100 457**	**3 675 874**	**7 436**	**55 034**

Table 34-A (90)

Destination of Metals in British Columbia Ore and Concentrates 1990

	TOTAL VALUE $	COUNTRY	TOTAL VALUE $
Canadian Shipments		**Foreign Shipments (Cont'd)**	
Base Metals	209 579 389		
Placer	9 979 259		
Total	219 558 648	Philippines	40 248 796
		Spain	74 290 027
		Sweden	12 520 097
Foreign Shipments		Switzerland	642 175
		Taiwan	583 811
Australia	192 681	U.S.A.	12 731 660
Belgium	23 719 273		
Brazil	27 970 349		
Chile	4 689 132		
Europe	14 211 847	Total Foreign	1 339 303 631
Germany	36 875 429	Other/Adjustments	(1 181 667)
Japan	1 013 798 699		
Korea	78 011 322	**Total Shipments**	**1 558 862 279**

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